



## Rabbit Anti-phospho-MDMX (Ser367) antibody

SL18748R

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| <b>Product Name:</b>          | phospho-MDMX (Ser367)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Chinese Name:</b>          | 磷酸化MDM2样P53Binding protein抗体                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Alias:</b>                 | MDMX (phospho S367); p-MDMX (phospho S367); DKFZp781B1423; Double minute 4; Double minute 4 human homolog of p53 binding protein; Double minute 4 protein; HDMX; MDM 4; Mdm2 like p53 binding protein; Mdm2-like p53-binding protein; MDM4; Mdm4 p53 binding protein homolog mouse; Mdm4 protein; MDM4 related protein 1; Mdm4 transformed 3T3 cell double minute 4; Mdm4 transformed 3T3 cell double minute 4 p53 binding protein; Mdm4 transformed 3T3 cell double minute 4 p53 binding protein mouse; MDM4_HUMAN; Mdmx protein; MGC132766; Mouse double minute 4 homolog; Mouse double minute 4 human homolog of p53 binding protein; MRP 1; MRP1; p53 binding protein; p53 BINDING PROTEIN MDM4; p53-binding protein Mdm4; Protein Mdm4; Protein Mdmx. |
| <b>Organism Species:</b>      | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Clonality:</b>             | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>React Species:</b>         | Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Applications:</b>          | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular weight:</b>      | 55kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cellular localization:</b> | The nucleus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form:</b>                  | Lyophilized or Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration:</b>         | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>immunogen:</b>             | KLH conjugated synthesised phosphopeptide derived from human MDMX Receptor around the phosphorylation site of Ser367:TI(p-S)AP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Lsotype:</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purification:</b>          | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|                        | when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>PubMed:</b>         | <a href="#">PubMed</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Product Detail:</b> | <p>This gene encodes a nuclear protein that contains a p53 binding domain at the N-terminus and a RING finger domain at the C-terminus, and shows structural similarity to p53-binding protein MDM2. Both proteins bind the p53 tumor suppressor protein and inhibit its activity, and have been shown to be overexpressed in a variety of human cancers. However, unlike MDM2 which degrades p53, this protein inhibits p53 by binding its transcriptional activation domain. This protein also interacts with MDM2 protein via the RING finger domain, and inhibits the latter's degradation. So this protein can reverse MDM2-targeted degradation of p53, while maintaining suppression of p53 transactivation and apoptotic functions. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Feb 2011]</p> <p><b>Function:</b><br/>Inhibits p53/TP53- and TP73/p73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. Inhibits degradation of MDM2. Can reverse MDM2-targeted degradation of TP53 while maintaining suppression of TP53 transactivation and apoptotic functions.</p> <p><b>Subcellular Location:</b><br/>Nucleus.</p> <p><b>Tissue Specificity:</b><br/>Expressed in all tissues tested with high levels in thymus.</p> <p><b>Post-translational modifications:</b><br/>Ubiquitinated. Deubiquitinated by USP2; leading to stabilize it.</p> <p><b>Similarity:</b><br/>Belongs to the MDM2/MDM4 family.<br/>Contains 1 RanBP2-type zinc finger.<br/>Contains 1 RING-type zinc finger.<br/>Contains 1 SWIB domain.</p> <p><b>SWISS:</b><br/>O15151</p> <p><b>Gene ID:</b><br/>4194</p> <p><b>Database links:</b><br/><a href="#">Entrez Gene: 4194</a> Human</p> |

[Entrez Gene: 17248](#) Mouse

[Omim: 602704](#) Human

[SwissProt: O15151](#) Human

[SwissProt: O35618](#) Mouse

[Unigene: 497492](#) Human

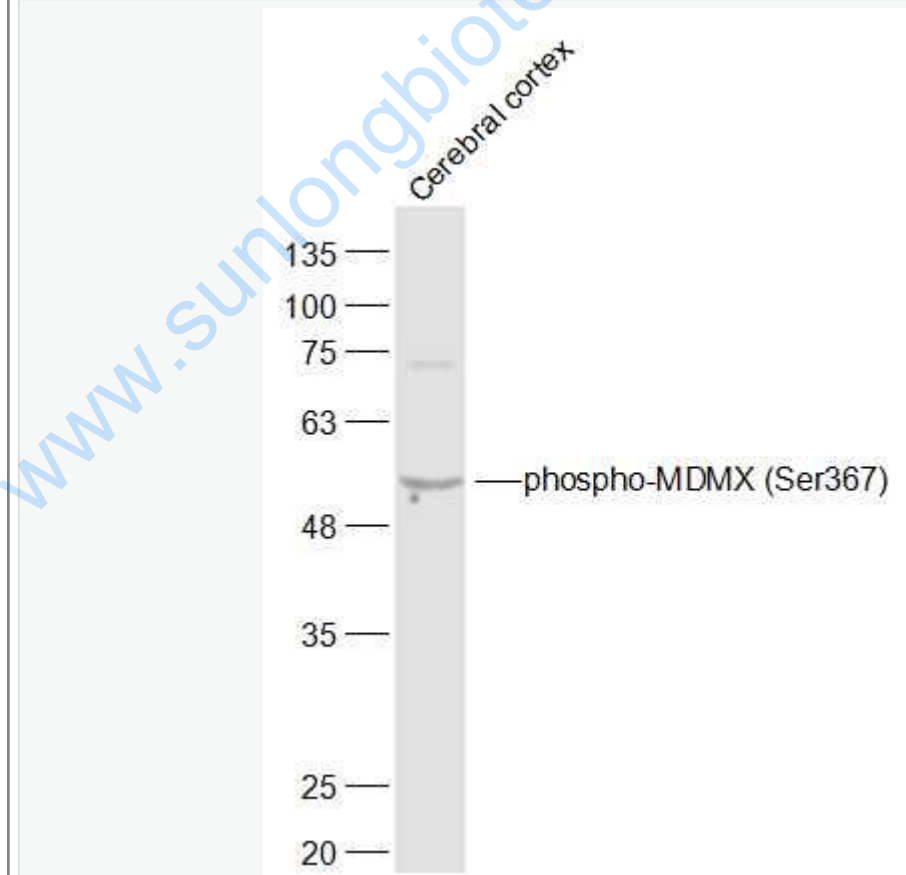
[Unigene: 426531](#) Mouse

[Unigene: 476028](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

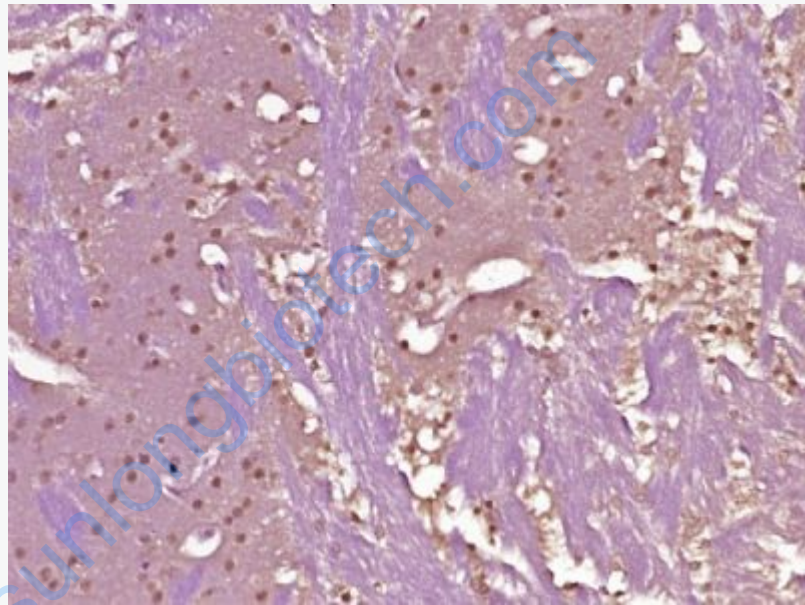
Cerebral cortex (Mouse) Lysate at 40 ug

Primary: Anti-phospho-MDMX (Ser367) (SL18748R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55 kD

Observed band size: 55 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MDMX (Ser367)) Polyclonal Antibody, Unconjugated (SL18748R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.