



Rabbit Anti-phospho-MSK2 (Thr568) antibody

SL17855R

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| Product Name: | phospho-MSK2 (Thr568) |
| Chinese Name: | 磷酸化有丝分裂原和应激活化型蛋白激酶2抗体 |
| Alias: | MSK2 / RSK-B (phospho T568); p-MSK2 / RSK-B (phospho T568); 90 kDa ribosomal protein S6 kinase 4; EC 2.7.11.1; KS6A4_HUMAN; Mitogen and stress activated protein kinase 2; Nuclear mitogen and stress activated protein kinase 2; Nuclear mitogen- and stress-activated protein kinase 2; Ribosomal protein kinase B; Ribosomal protein S6 kinase 90kD polypeptide 4; Ribosomal protein S6 kinase 90kDa polypeptide 4; Ribosomal protein S6 kinase alpha 4; Ribosomal protein S6 kinase alpha-4; RPS6KA4; RSKB; S6K-alpha-4. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human, |
| Applications: | 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) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 86kDa |
| Cellular localization: | The nucleus |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthesised phosphopeptide derived from human MSK2 around the phosphorylation site of Thr568:MQ(p-T)P |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | 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 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. |

PubMed:[PubMed](#)

This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including CREB1 and c-fos. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]

Function:

Serine/threonine kinase that may play a role in mediating the growth-factor and stress induced activation of the transcription factor CREB. Essential role in the control of RELA transcriptional activity in response to TNF. Phosphorylates 'Ser-10' of histone H3 in response to mitogenics, stress stimuli and epidermal growth-factor (EGF) and result in the transcriptional activation of several immediate early genes, including proto-oncogenes FOS and JUN (By similarity). Mediates the mitogen- and stress-induced phosphorylation of high mobility group protein 14 (HMG-14).

Subcellular Location:

Nucleus.

Similarity:

Belongs to the protein kinase superfamily.
AGC Ser/Thr protein kinase family.
S6 kinase subfamily.
Contains 1 AGC-kinase C-terminal domain.
Contains 2 protein kinase domains.

Product Detail:**SWISS:**

O75676

Gene ID:

8986

Database links:

[Entrez Gene: 8986](#) Human

[Entrez Gene: 361715](#) Rat

[Omim: 603606](#) Human

[SwissProt: O75676](#) Human

[Unigene: 105584](#) Human

Important Note:

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