



## Rabbit Anti-phospho-MAP3K7IP1 (Thr431) antibody

SL5496R

<b>Product Name:</b>	phospho-MAP3K7IP1 (Thr431)
<b>Chinese Name:</b>	磷酸化转化生长因子β活化激酶Binding protein1抗体
<b>Alias:</b>	MAP3K7IP1(phospho S431); MAP3K7IP1(phospho S429) mo, rat; MAP3K7IP 1; MAP3K7IP1; Mitogen activated protein kinase kinase kinase 7 interacting protein 1; TAB 1; TAK1 binding protein 1; TGF beta activated kinase 1 binding protein 1; TGF-beta activated kinase 1/MAP3K7 binding protein 1; Transforming growth factor beta activated kinase binding protein 1; 2310012M03Rik; 3'-Tab1; MGC57664; TAB1 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	56kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human MAP3K7IP1 around the phosphorylation site of Ser431:EA(p-T)PT
<b>Isotype:</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 when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

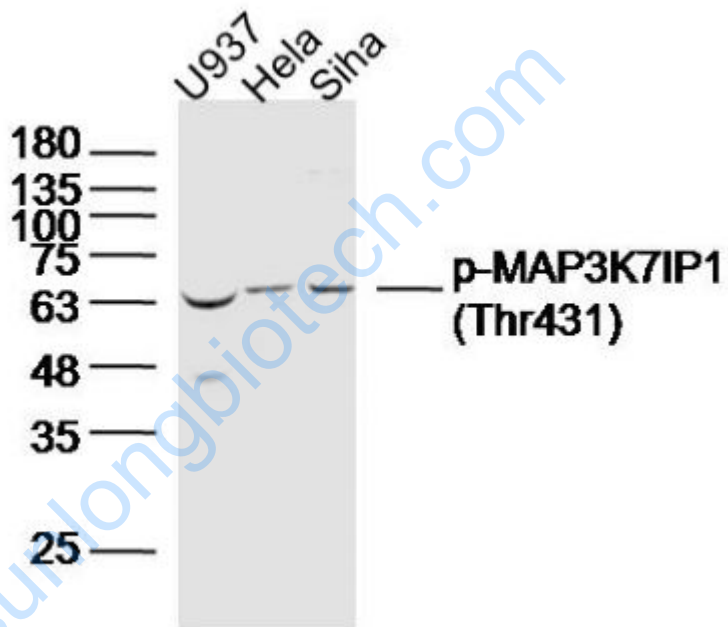
	antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>TAB1 was identified as a regulator of the MAP kinase kinase kinase TAK1/MAP3K7, which is known to mediate various intracellular signaling pathways, such as those induced by TGF beta and members of the Toll IL 1R (TIR) superfamily, thus acting as an intermediate in both proliferative and innate and adaptive immune responses. This protein, together with either TAB2 or TAB3, activates TAK1 kinase in response to upstream signals. It has been shown that the C terminal portion of TAB1 is sufficient for binding and activation of TAK1, while a portion of the N terminus acts as a dominant negative inhibitor of TGF beta, demonstrating how this protein can function as a mediator between TGF beta receptors and TAK1.</p> <p><b>Function:</b> May be an important signaling intermediate between TGFβ receptors and MAP3K7/TAK1. May play an important role in mammalian embryogenesis.</p> <p><b>Subunit:</b> Interacts with XIAP and BIRC7. Interacts with TRAF6 and MAP3K7; during IL-1 signaling. Identified in the TRIKA2 complex composed of MAP3K7, TAB1 and TAB2.</p> <p><b>Tissue Specificity:</b> Ubiquitous.</p> <p><b>Post-translational modifications:</b> Monoubiquitinated. Deubiquitinated by Y.enterocolitica YopP.</p> <p><b>Similarity:</b> Contains 1 PP2C-like domain.</p> <p><b>SWISS:</b> Q15750</p> <p><b>Gene ID:</b> 10454</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 10454</a>Human</p> <p><a href="#">Entrez Gene: 66513</a>Mouse</p> <p><a href="#">Entrez Gene: 315139</a>Rat</p> <p><a href="#">Omim: 602615</a>Human</p> <p><a href="#">SwissProt: Q15750</a>Human</p> <p><a href="#">SwissProt: Q8CF89</a>Mouse</p>

[Unigene: 507681](#)Human

[Unigene: 288245](#)Mouse

**Important Note:**

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



**Picture:**

Sample:

U937 Cell (Human) Lysate at 40 ug

HeLa Cell (Human) Lysate at 40 ug

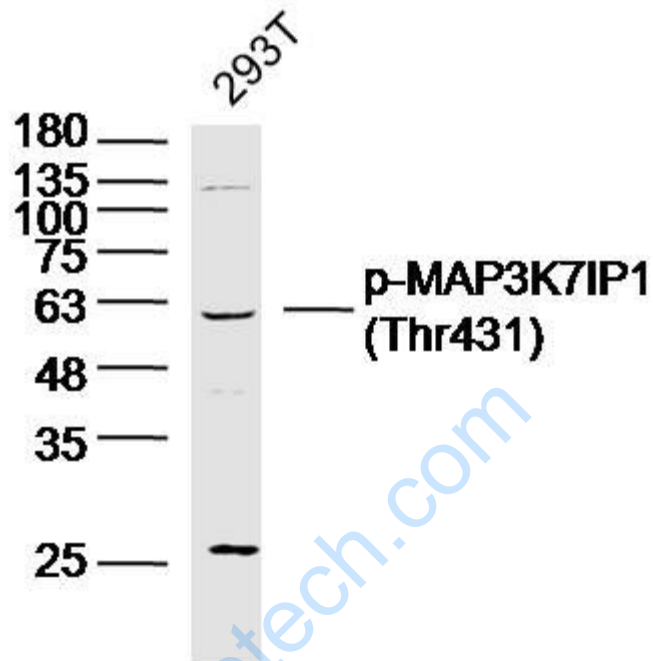
Siha Cell (Human) Lysate at 40 ug

Primary: Anti-phospho-MAP3K7IP1 (Thr431)(SL5496R) at 1/300 dilution

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

Predicted band size: 56kD

Observed band size: 65kD



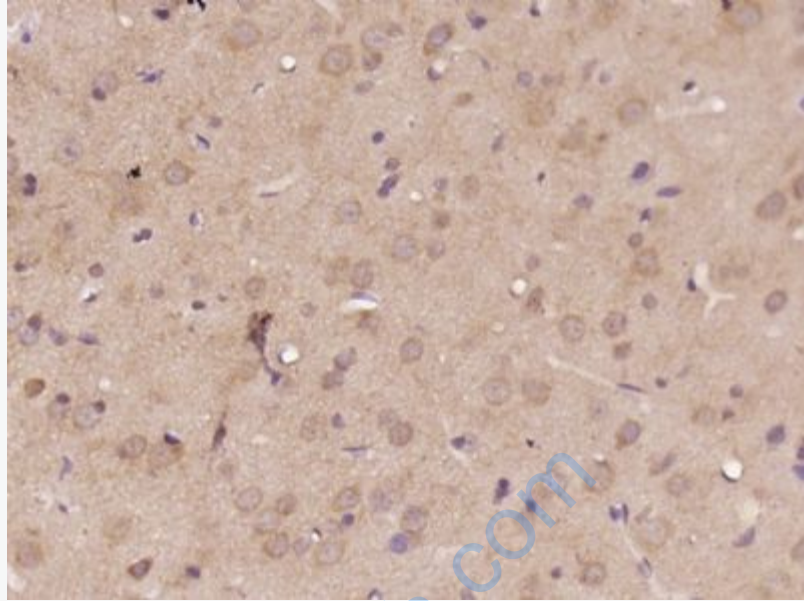
Sample: 293T Cell (Human) Lysate at 40 ug

Primary: Anti-phospho-MAP3K7IP1 (Thr431)(SL5496R) at 1/300 dilution

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

Predicted band size: 56kD

Observed band size: 60kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (phospho-MAP3K7IP1 (Thr431)) Polyclonal Antibody, Unconjugated (SL5496R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.