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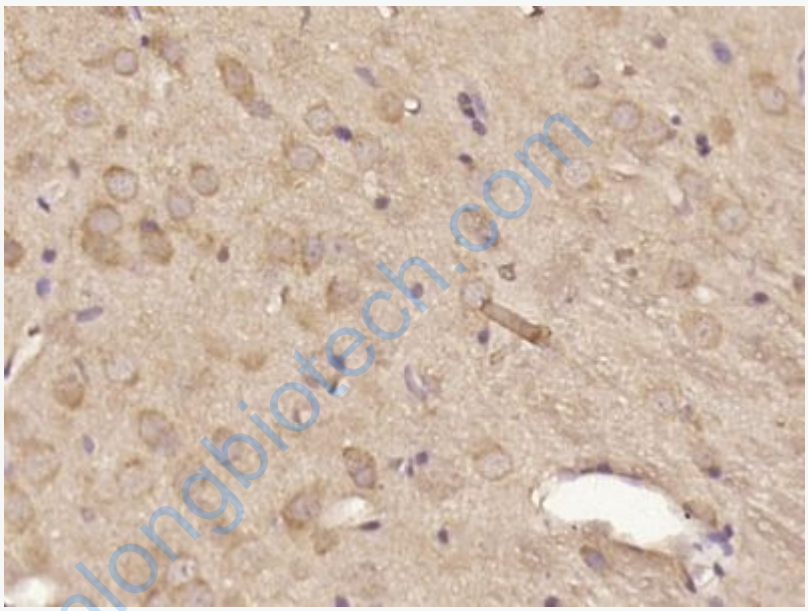
Rabbit Anti-phospho-MAP3K7IP1 (Ser423) antibody

SL5495R

Product Name:	phospho-MAP3K7IP1 (Ser423)
Chinese Name:	磷酸化转化生长因子β活化激酶Binding protein1抗体
Alias:	MAP3K7IP1(phospho S423); MAP3K7IP1(phospho S421) 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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	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.
Molecular weight:	56kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human MAP3K7IP1 around the phosphorylation site of Ser423:AH(p-S)AS
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
Product Detail:	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. **Function:** May be an important signaling intermediate between TGFB receptors and MAP3K7/TAK1. May play an important role in mammalian embryogenesis. **Subunit:** 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. **Tissue Specificity:** Ubiquitous. **Post-translational modifications:** Monoubiquitinated. Deubiquitinated by Y.enterocolitica YopP. **Similarity:** Contains 1 PP2C-like domain. **SWISS:** Q15750 **Gene ID:** 10454 **Database links:** Entrez Gene: 10454Human Entrez Gene: 66513Mouse Entrez Gene: 315139Rat Omim: 602615Human SwissProt: Q15750Human SwissProt: Q8CF89Mouse

	Unigene: 507681Human Unigene: 288245Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 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 (Ser423)) Polyclonal Antibody, Unconjugated (SL5495R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.