



TAB2 (phospho-Ser372) rabbit pAb

Catalog No	YP-Ab-03645
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TAB2 KIAA0733 MAP3K7IP2
Protein Name	TAB2 (Ser372)
Immunogen	Synthesized phosho peptide around human TAB2 (Ser372)
Specificity	This antibody detects endogenous levels of Human Mouse Rat TAB2 (phospho-Ser372)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TGF-beta-activated kinase 1 and MAP3K7-binding protein 2 (Mitogen-activated protein kinase kinase kinase 7-interacting protein 2) (TAK1-binding protein 2) (TAB-2) (TGF-beta-activated kinase 1-binding protein 2)
Observed Band	77kD
Cell Pathway	Membrane ; Peripheral membrane protein . Endosome membrane ; Peripheral membrane protein . Lysosome membrane ; Peripheral membrane protein . Cytoplasm, cytosol . Following IL1 stimulation, translocation occurs from the membrane to cytosol (PubMed:10882101). Interaction with TRIM38 promotes translocation from cytosol to endosome and lysosome (PubMed:24434549). .
Tissue Specificity	Widely expressed. In the embryo, expressed in the ventricular trabeculae, endothelial cells of the conotruncal cushions of the outflow tract and in the endothelial cells lining the developing aortic valves.
Function	function:Adapter linking MAP3K7/TAK1 and TRAF6 and mediator of MAP3K7 activation in the IL1 signaling pathway.,PTM:Phosphorylated.,PTM:Ubiquitinated; following IL1 stimulation or TRAF6 overexpression.,similarity:Contains 1 CUE domain.,similarity:Contains 1 RanBP2-type zinc finger.,subcellular location:Following IL1 stimulation, translocation occurs from the membrane to cytosol.,subunit:Interacts with MAP3K7 and TRAF6. Interacts with NCOR1 and HDAC3 to form a ternary complex.,tissue specificity:Widely expressed.,

**Background**

The protein encoded by this gene is an activator of MAP3K7/TAK1, which is required for the IL-1 induced activation of nuclear factor kappaB and MAPK8/JNK. This protein forms a kinase complex with TRAF6, MAP3K7 and TAB1, and it thus serves as an adaptor that links MAP3K7 and TRAF6. This protein, along with TAB1 and MAP3K7, also participates in the signal transduction induced by TNFSF11/RANKI through the activation of the receptor activator of NF-kappaB (TNFRSF11A/RANK), which may regulate the development and function of osteoclasts. Studies of the related mouse protein indicate that it functions to protect against liver damage caused by chemical stressors. Mutations in this gene cause congenital heart defects, multiple types, 2 (CHTD2). Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images