



TAB1 Monoclonal Antibody

Catalog No	BYab-03445
Isotype	IgG
Reactivity	Human;Mouse;Rat;Bovine;Dog;Pig
Applications	WB
Gene Name	TAB1
Protein Name	TGF-beta-activated kinase 1 and MAP3K7-binding protein 1
Immunogen	Purified recombinant human TAB1 (N-terminus) protein fragments expressed in E.coli.
Specificity	TAB1 Monoclonal Antibody detects endogenous levels of TAB1 protein.
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/1000 - 1/2000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TAB1; MAP3K7IP1; TGF-beta-activated kinase 1 and MAP3K7-binding protein 1; Mitogen-activated protein kinase kinase kinase 7-interacting protein 1; TGF-beta-activated kinase 1-binding protein 1; TAK1-binding protein 1
Observed Band	
Cell Pathway	nucleoplasm,cytoplasm,cytosol,endosome membrane,protein complex,
Tissue Specificity	Ubiquitous.
Function	function:May be an important signaling intermediate between TGFB receptors and MAP3K7/TAK1. May play an important role in mammalian embryogenesis.,similarity:Contains 1 PP2C-like domain.,subunit:Interacts with MAP3K7, XIAP and BIRC7.,tissue specificity:Ubiquitous.,
Background	The protein encoded by this gene was identified as a regulator of the MAP kinase kinase kinase MAP3K7/TAK1, which is known to mediate various intracellular signaling pathways, such as those induced by TGF beta, interleukin 1, and WNT-1. This protein interacts and thus activates TAK1 kinase. It has been shown

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that the C-terminal portion of this protein is sufficient for binding and activation of TAK1, while a portion of the N-terminus acts as a dominant-negative inhibitor of TGF beta, suggesting that this protein may function as a mediator between TGF beta receptors and TAK1. This protein can also interact with and activate the mitogen-activated protein kinase 14 (MAPK14/p38alpha), and thus represents an alternative activation pathway, in addition to the MAPKK pathways, which contributes to the biological responses of MAPK14 to various stimuli. Alternatively spliced tr

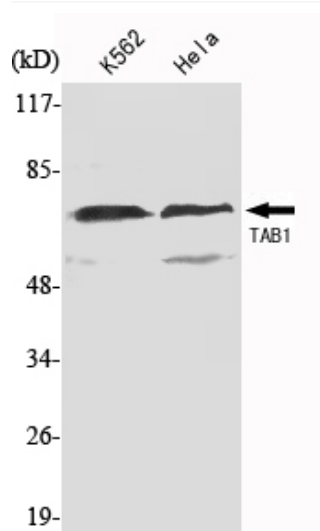
matters needing attention

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



Western Blot analysis using TAB1 Monoclonal Antibody against K562, HeLa cell lysate.