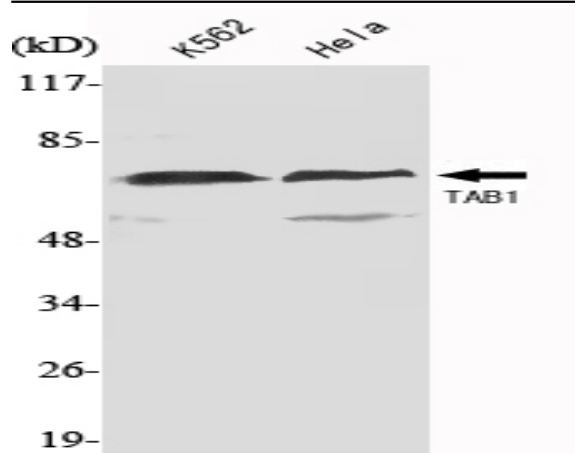


## TAB1 Monoclonal Antibody

<b>Catalog No :</b>	YM1101
<b>Reactivity :</b>	Human;Mouse;Rat;Bovine;Dog;Pig
<b>Applications :</b>	WB
<b>Target :</b>	TAB1
<b>Fields :</b>	>>MAPK signaling pathway;>>NF-kappa B signaling pathway;>>Osteoclast differentiation;>>Toll-like receptor signaling pathway;>>NOD-like receptor signaling pathway;>>TNF signaling pathway;>>Alcoholic liver disease;>>Pathogenic Escherichia coli infection;>>Shigellosis;>>Salmonella infection;>>Yersinia infection;>>Leishmaniasis;>>Toxoplasmosis;>>Hepatitis B;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Human immunodeficiency virus 1 infection;>>Lipid and atherosclerosis
<b>Gene Name :</b>	TAB1
<b>Protein Name :</b>	TGF-beta-activated kinase 1 and MAP3K7-binding protein 1
<b>Human Gene Id :</b>	10454
<b>Human Swiss Prot No :</b>	Q15750
<b>Mouse Gene Id :</b>	66513
<b>Mouse Swiss Prot No :</b>	Q8CF89
<b>Immunogen :</b>	Purified recombinant human TAB1 (N-terminus) protein fragments expressed in E.coli.
<b>Specificity :</b>	TAB1 Monoclonal Antibody detects endogenous levels of TAB1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:1000 - 1:2000. Not yet tested in other applications.

<b>Purification :</b>	Affinity purification
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	55kD
<b>Cell Pathway :</b>	MAPK_ERK_Growth;MAPK_G_Protein;Toll_Like;NOD-like receptor;
<b>Background :</b>	<p>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 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</p>
<b>Function :</b>	<p>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.,</p>
<b>Subcellular Location :</b>	nucleoplasm,cytoplasm,cytosol,endosome membrane,protein complex,
<b>Expression :</b>	Ubiquitous.

## Products Images



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