

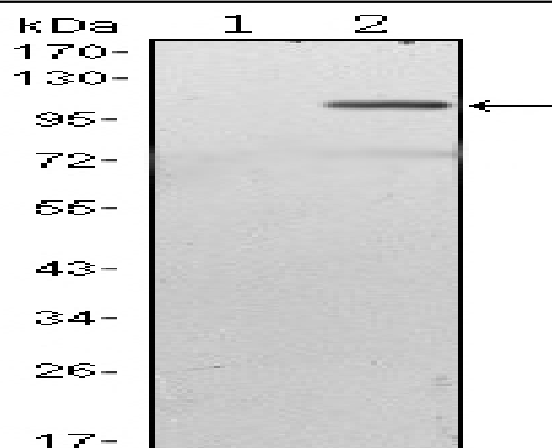
## TAB2 Monoclonal Antibody

<b>Catalog No :</b>	YM0609
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;FCM;ELISA
<b>Target :</b>	TAB2
<b>Fields :</b>	>>MAPK signaling pathway;>>NF-kappa B signaling pathway;>>Osteoclast differentiation;>>Toll-like receptor signaling pathway;>>NOD-like receptor signaling pathway;>>IL-17 signaling pathway;>>TNF signaling pathway;>>Alcoholic liver disease;>>Pathogenic Escherichia coli infection;>>Shigellosis;>>Salmonella infection;>>Yersinia infection;>>Leishmaniasis;>>Toxoplasmosis;>>Hepatitis B;>>Measles;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Human immunodeficiency virus 1 infection;>>Coronavirus disease - COVID-19;>>Lipid and atherosclerosis
<b>Gene Name :</b>	TAB2
<b>Protein Name :</b>	TGF-beta-activated kinase 1 and MAP3K7-binding protein 2
<b>Human Gene Id :</b>	23118
<b>Human Swiss Prot No :</b>	Q9NYJ8
<b>Mouse Swiss Prot No :</b>	Q99K90
<b>Immunogen :</b>	Purified recombinant fragment of human TAB2 expressed in E. Coli.
<b>Specificity :</b>	TAB2 Monoclonal Antibody detects endogenous levels of TAB2 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 1:500 - 1:2000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000. Not yet tested in other applications.

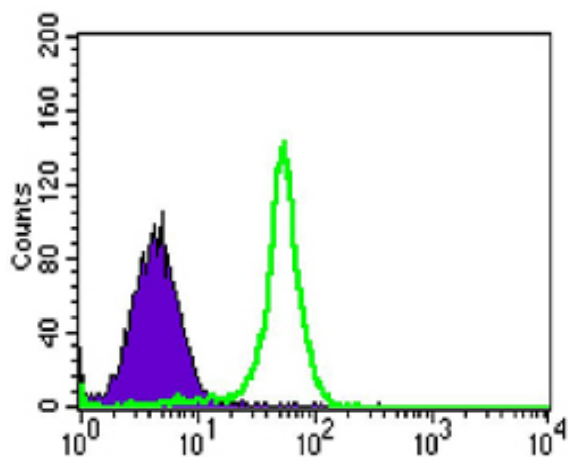
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	76kD
<b>Cell Pathway :</b>	MAPK_ERK_Growth;MAPK_G_Protein;Toll_Like;NOD-like receptor;
<b>P References :</b>	<ol style="list-style-type: none"><li>1. J Clin Endocrinol Metab. 2006 Mar;91(3):1056-61.</li><li>2. Sci STKE. 2006 Oct 17;2006(357):re13.</li><li>3. Am J Hum Genet. 2010 Jun 11;86(6):839-49.</li></ol>
<b>Background :</b>	<p>The protein encoded by this gene is an activator of MAP3K7/TAK1, which is required for 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],</p>
<b>Function :</b>	<p>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.,</p>
<b>Subcellular Location :</b>	<p>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) .</p>
<b>Expression :</b>	<p>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.</p>

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## Products Images



Western Blot analysis using TAB2 Monoclonal Antibody against HEK293 (1) and TAB2-hlgGfc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of HL-60 cells using TAB2 Monoclonal Antibody (green) and negative control (purple).