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Anti-TAB1 Antibody

Mouse Monoclonal Antibody
Catalog # AP53465

Product Information

Primary Accession	Q15750
Other Accession	NM_006116
Host	Mouse
Clonality	Monoclonal
Isotype	lgG2b
Immunogen	Purified recombinant human TAB1 protein expressed in E.coli.
Purification	Affinity purified
Calculated MW	54644

Additional Information

Gene ID	10454
Other Names	2310012M03Rik;3'-Tab1;MAP3K7IP1;MAP3K7IP1;MGC57664;Mitogenactivated proteinkinasekinasekinase7interactingprotein1;Mitogen-activatedproteinkinasekinasekinase7-interactingprotein1;TAB1;TAB1;TAB1_HUMAN;TAK1bindingprotein1;TAK1-bindingprotein1;TGFbetaactivatedkinase1bindingprotein1;TGF-betaactivatedkinase1/MAP3K7bindingprotein1;TGF-beta-activatedkinase1andMAP3K7-bindingprotein1;TGF-beta-activatedkinase1-bindingprotein1;Transforminggrowthfactorbetaactivatedkinasebindingprotein1.
Format	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

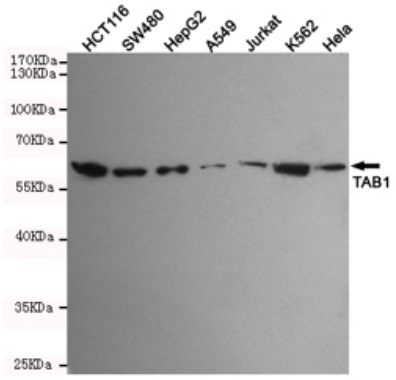
Name	TAB1
Synonyms	MAP3K7IP1
Function	Key adapter protein that plays an essential role in JNK and NF-kappa-B activation and proinflammatory cytokines production in response to stimulation with TLRs and cytokines (PubMed:22307082, PubMed:24403530). Mechanistically, associates with the catalytic domain of MAP3K7/TAK1 to trigger MAP3K7/TAK1 autophosphorylation leading to its full activation (PubMed:10838074, PubMed:25260751, PubMed:37832545). Similarly, associates with MAPK14 and triggers its autophosphorylation and subsequent activation (PubMed:11847341, PubMed:29229647). In turn, MAPK14

	phosphorylates TAB1 and inhibits MAP3K7/TAK1 activation in a feedback control mechanism (PubMed:14592977). Also plays a role in recruiting MAPK14 to the TAK1 complex for the phosphorylation of the TAB2 and TAB3 regulatory subunits (PubMed:18021073).
Cellular Location	Cytoplasm, cytosol. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Note=Recruited to the endoplasmic reticulum following interaction with STING1
Tissue Location	Ubiquitous..

Background

May be an important signaling intermediate between TGFB receptors and MAP3K7/TAK1. May play an important role in mammalian embryogenesis.

Images



Western blot detection of TAB1 in HCT116,SW480,HepG2,A549,Jurkat,K562 and Hela cell lysates using TAB1 mouse mAb (1:1000 diluted).Predicted band size:60KDa.Observed band size:60KDa.

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