Anti-TAB1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014033

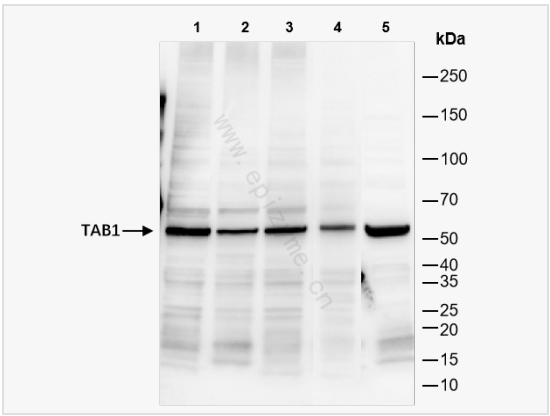
Product Information

Application	IHC-P/IF (Tissue-P), WB, ELISA
Reactivity	Mouse, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	49H14C57
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human TAB1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-TAB1 Rabbit mAb [49H14C57] is for research use only and not for use in diagnostic or therapeutic procedures.

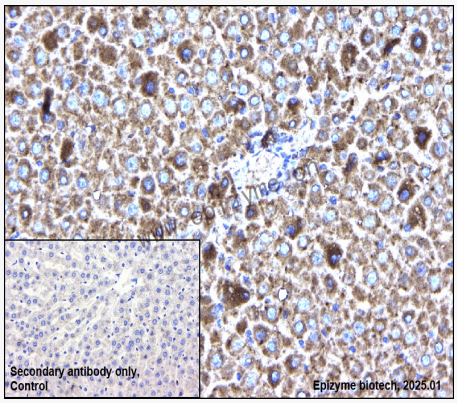
Protein Information

Synonyms	2310012M03Rik, 3'-Tab1, MAP3K7IP 1, MAP3K7IP1, MGC57664, Mitogen activated protein kinase kinase kinase 7 interacting protein 1, Mitogen-activated protein kinase kinase kinase 7-interacting protein 1, TAB 1, TAB1, TAB1_HUMAN, TAK1 binding protein 1, TAK1-binding protein 1, TGF beta activated kinase 1 binding protein 1, TGF-beta activated kinase 1/MAP3K7 binding protein 1, TGF-beta-activated kinase 1 and MAP3K7-binding protein 1, TGF-beta-activated kinase 1-binding protein 1, Transforming growth factor beta activated kinase binding protein 1.
Calculated MW	Calculated MW: 55 kDa; Observed MW: 55 kDa
Uniprot ID	Q15750
Gene ID	10454
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 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 transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]
Tissue Location	Ubiquitous.

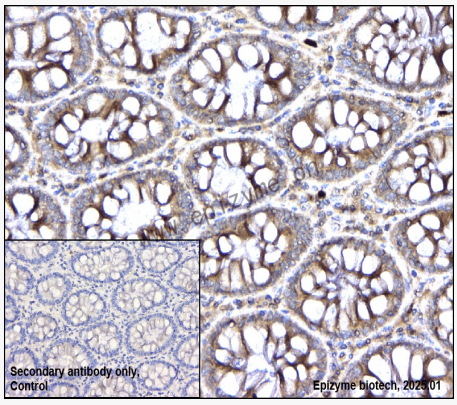
Validation Images



Western Blot - Anti-TAB1 Rabbit mAb [49H14C57]
All lanes: R014033 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 5: Mouse brain whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 55 kDa
Observed band size: 55 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-TAB1 Rabbit mAb [49H14C57]
Sample: Paraformaldehyde-fixed, paraffin embedded rat liver tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014033 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-TAB1 Rabbit mAb [49H14C57]
Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014033 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.