

Anti-TAB1 (pS438) Antibody

Rabbit polyclonal antibody to TAB1 (pS438) Catalog # AP60935

Specification

Anti-TAB1 (pS438) Antibody - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Calculated MW WB <u>Q15750</u> <u>Q8CF89</u> Human, Mouse, Rat Rabbit Polyclonal 54644

Anti-TAB1 (pS438) Antibody - Additional Information

Gene ID 10454

Other Names 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

Target/Specificity Recognizes endogenous levels of TAB1 (pS438) protein.

Dilution WB~~WB (1/500 - 1/1000)

Format Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage Store at -20 °C.Stable for 12 months from date of receipt

Anti-TAB1 (pS438) Antibody - 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:29229647,
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associates with MAPK14 phosphorylates TAB1 and inhibits MAP3K7/TAK1 activation in a feedback control
mechanism (PubMed:<a href="http://www.uniprot.org/citations/14592977"
target="_blank">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..

Anti-TAB1 (pS438) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- <u>Dot Blot</u>
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-TAB1 (pS438) Antibody - Images



Western blot analysis of TAB1 (pS438) expression in Hela (A), HEK293T (B), MCF7 (C), mouse eye (D), mouse brain (E), rat brain (F) whole cell lysates.





Direct ELISA antibody dose-response curve using Anti-TAB1 (pS438) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

Anti-TAB1 (pS438) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human TAB1. The exact sequence is proprietary.