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Anti-TAB1 (pS438) Antibody

Rabbit polyclonal antibody to TAB1 (pS438)
Catalog # AP60935

Specification

Anti-TAB1 (pS438) Antibody - Product Information

Application	**WB**
Primary Accession	Q15750
Other Accession	Q8CF89
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**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: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

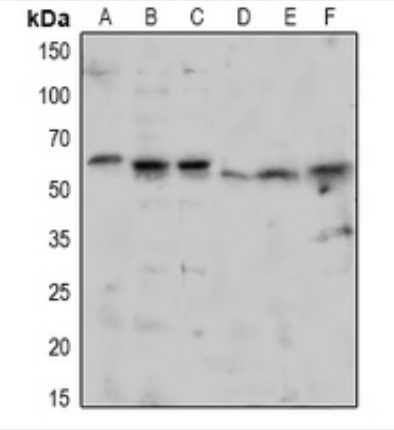
Tissue Location
Ubiquitous..

Anti-TAB1 (pS438) Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.

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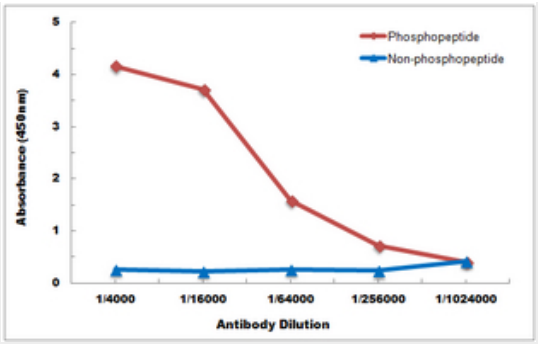

Direct ELISA antibody dose-response curve using Anti-TAB1 (pS438) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

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.