

TAB1(N-terminus) Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52734

Specification

TAB1(N-terminus) Antibody - Product Information

Application	WB
Primary Accession	O15750
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	55 KDa

TAB1(N-terminus) Antibody - Additional Information

Gene ID 10454

Other Names

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.

Dilution

WB~~1:1000

Format

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.09% (W/V) sodium azide, 50%,glycerol

Storage

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

TAB1(N-terminus) 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). Plays also 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

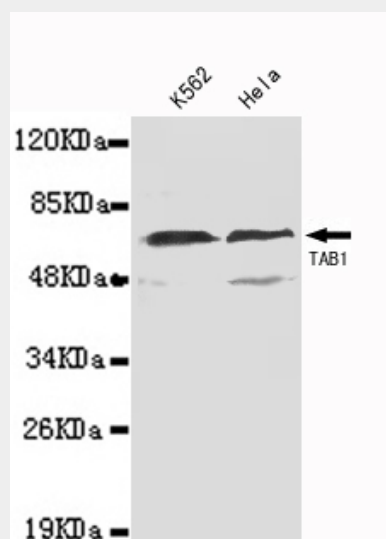
Ubiquitous..

TAB1(N-terminus) 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 Cytometry](#)
- [Cell Culture](#)

TAB1(N-terminus) Antibody - Images



Western blot detection of TAB1(N-terminus) in K562 and HeLa lysates using TAB1(N-terminus) mouse mAb (1:1000 diluted). Predicted band size: 55KDa. Observed band size: 55KDa.

TAB1(N-terminus) Antibody - Background

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

TAB1(N-terminus) Antibody - References

Shibuya H., et al. Science 272:1179-1182(1996).

Ge B., et al. J. Biol. Chem. 278:2286-2293(2003).

Dunham I., et al. Nature 402:489-495(1999).

Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Ninomiya-Tsuji J., et al. Nature 398:252-256(1999).