

TAB2 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13577**Specification****TAB2 Antibody (C-Terminus) - Product Information**

Application	IHC
Primary Accession	O9NYJ8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76kDa KDa

TAB2 Antibody (C-Terminus) - Additional Information**Gene ID** 23118**Other Names**

TGF-beta-activated kinase 1 and MAP3K7-binding protein 2, Mitogen-activated protein kinase kinase kinase 7-interacting protein 2, TAK1-binding protein 2, TAB-2, TGF-beta-activated kinase 1-binding protein 2, TAB2, KIAA0733, MAP3K7IP2

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

TAB2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

TAB2 Antibody (C-Terminus) - Protein Information**Name** TAB2 {ECO:0000303|PubMed:10882101, ECO:0000312|HGNC:HGNC:17075}**Function**

Adapter required to activate the JNK and NF-kappa-B signaling pathways through the specific recognition of 'Lys-63'-linked polyubiquitin chains by its RanBP2-type zinc finger (NZF) (PubMed:10882101, PubMed:11460167, PubMed:15327770, PubMed:22158122, PubMed:33184450, PubMed:36681779). Acts as an adapter linking MAP3K7/TAK1 and TRAF6 to 'Lys-63'-linked polyubiquitin chains (PubMed:10882101, PubMed:11460167, PubMed:15327770, PubMed:22158122). The RanBP2-type zinc finger (NZF) specifically recognizes Lys-63'- linked polyubiquitin chains

unanchored or anchored to the substrate proteins such as RIPK1/RIP1 and RIPK2: this acts as a scaffold to organize a large signaling complex to promote autophosphorylation of MAP3K7/TAK1, and subsequent activation of I-kappa-B-kinase (IKK) core complex by MAP3K7/TAK1 (PubMed:15327770, PubMed:18079694, PubMed:22158122). Regulates the IL1-mediated translocation of NCOR1 out of the nucleus (By similarity). Involved in heart development (PubMed:20493459).

Cellular Location

Membrane; Peripheral membrane protein. Endosome membrane; Peripheral membrane protein. Lysosome membrane; Peripheral membrane protein. Cytoplasm, cytosol. Note=Following IL1 stimulation, translocation occurs from the membrane to cytosol (PubMed:10882101) Interaction with TRIM38 promotes translocation from cytosol to endosome and lysosome (PubMed:24434549).

Tissue Location

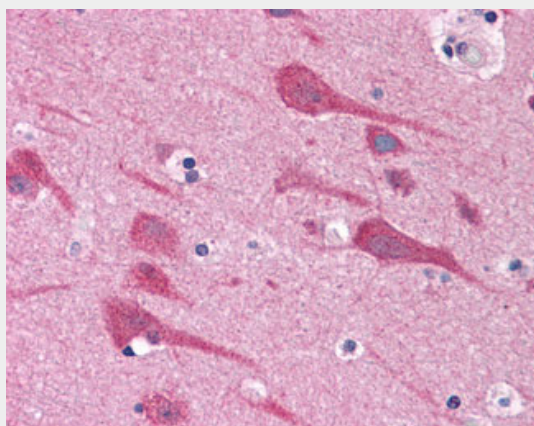
Widely expressed. In the embryo, expressed in the ventricular trabeculae, endothelial cells of the conotruncal cushions of the outflow tract and in the endothelial cells lining the developing aortic valves.

TAB2 Antibody (C-Terminus) - Protocols

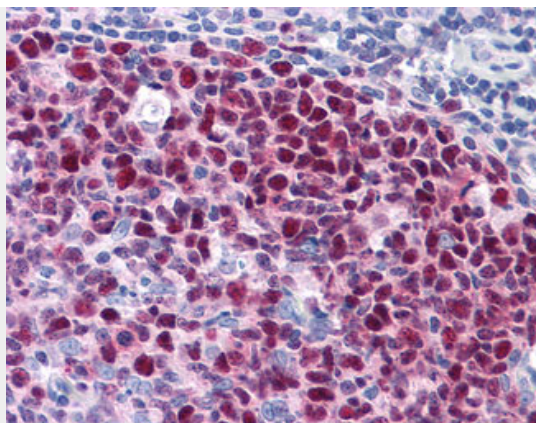
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TAB2 Antibody (C-Terminus) - Images



Anti-TAB2 antibody IHC of human brain, cortex.



Anti-TAB2 antibody IHC of human tonsil.

TAB2 Antibody (C-Terminus) - Background

Adapter linking MAP3K7/TAK1 and TRAF6. Promotes MAP3K7 activation in the IL1 signaling pathway. The binding of 'Lys-63'- linked polyubiquitin chains to TAB2 promotes autophosphorylation of MAP3K7 at 'Thr-187'. Involved in heart development.

TAB2 Antibody (C-Terminus) - References

Takaesu G.,et al.Mol. Cell 5:649-658(2000).
Nagase T.,et al.DNA Res. 5:277-286(1998).
Nakajima D.,et al.DNA Res. 9:99-106(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.