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MAP3K7IP3 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP17071a

Specification

MAP3K7IP3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q8N5C8

MAP3K7IP3 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 257397

Other Names
TGF-beta-activated kinase 1 and MAP3K7-binding protein 3, Mitogen-activated protein kinase kinase kinase 7-interacting protein 3, NF-kappa-B-activating protein 1, TAK1-binding protein 3, TAB-3, TGF-beta-activated kinase 1-binding protein 3, TAB3, MAP3K7IP3

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MAP3K7IP3 Antibody (N-term) Blocking Peptide - Protein Information

Name TAB3 {ECO:0000303|PubMed:14633987, ECO:0000312|HGNC:HGNC:30681}

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:14633987, PubMed:14766965, PubMed:15327770, PubMed:22158122). Acts as an adapter linking MAP3K7/TAK1 and TRAF6 to 'Lys-63'-linked polyubiquitin chains (PubMed:14633987, PubMed:14766965, PubMed:15327770, PubMed:22158122, PubMed:36593296). 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:<a

href="http://www.uniprot.org/citations/15327770" target="_blank">15327770, PubMed:18079694, PubMed:22158122).

Tissue Location
Widely expressed. Constitutively overexpressed in certain tumor tissues. [Isoform 2]: Minor transcript.

MAP3K7IP3 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

MAP3K7IP3 Antibody (N-term) Blocking Peptide - Images

MAP3K7IP3 Antibody (N-term) Blocking Peptide - Background

The product of this gene functions in the NF-kappaB signaltransduction pathway. The encoded protein, and the similar andfunctionally redundant protein MAP3K7IP2/TAB2, forms a ternarycomplex with the protein kinase MAP3K7/TAK1 and either TRAF2 orTRAF6 in response to stimulation with the pro-inflammatorycytokines TNF or IL-1. Subsequent MAP3K7/TAK1 kinase activitytriggers a signaling cascade leading to activation of the NF-kappaBtranscription factor. The human genome contains a relatedpseudogene. Alternatively spliced transcript variants have beendescribed, but their biological validity has not been determined.

MAP3K7IP3 Antibody (N-term) Blocking Peptide - References

Besse, A., et al. J. Biol. Chem. 282(6):3918-3928(2007)Kanayama, A., et al. Mol. Cell 15(4):535-548(2004)Jin, G., et al. Proc. Natl. Acad. Sci. U.S.A. 101(7):2028-2033(2004)Cheung, P.C., et al. Biochem. J. 378 (PT 1), 27-34 (2004) :Bouwmeester, T., et al. Nat. Cell Biol. 6(2):97-105(2004)