10320 Camino Santa Fe, Suite G
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TNIP2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16658c

Specification

TNIP2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q8NFZ5

TNIP2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 79155

Other Names
TNFAIP3-interacting protein 2, A20-binding inhibitor of NF-kappa-B activation 2, ABIN-2, Fetal liver LKB1-interacting protein, TNIP2 {ECO:0000312|EMBL:EAW825141}

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.

TNIP2 Antibody (Center) Blocking Peptide - Protein Information

Name TNIP2 {ECO:0000312|EMBL:EAW82514.1}

Function
Inhibits NF-kappa-B activation by blocking the interaction of RIPK1 with its downstream effector NEMO/IKBKG. Forms a ternary complex with NFKB1 and MAP3K8 but appears to function upstream of MAP3K8 in the TLR4 signaling pathway that regulates MAP3K8 activation. Involved in activation of the MEK/ERK signaling pathway during innate immune response; this function seems to be stimulus- and cell type specific. Required for stability of MAP3K8. Involved in regulation of apoptosis in endothelial cells; promotes TEK agonist-stimulated endothelial survival. May act as transcriptional coactivator when translocated to the nucleus. Enhances CHUK-mediated NF-kappa-B activation involving NF- kappa-B p50-p65 and p50-c-Rel complexes.

Cellular Location
Cytoplasm. Nucleus

Tissue Location
Ubiquitously expressed in all tissues examined.

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TNIP2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

TNIP2 Antibody (Center) Blocking Peptide - Images

TNIP2 Antibody (Center) Blocking Peptide - Background

TNIP2 binds to the C-terminal zinc finger domain of A20(TNFAIP3; MIM 191163) and is involved in activation of the ERK (seeMAPK3; MIM 601795) MAP kinase pathway in various cell types (VanHuffel et al., 2001 [PubMed 11390377]; Papoutsopoulou et al., 2006[PubMed 16633345]).

TNIP2 Antibody (Center) Blocking Peptide - References

Raychaudhuri, S., et al. Nat. Genet. 41(12):1313-1318(2009)Handoyo, H., et al. Biochem. J. 424(1):109-118(2009)Verstrepen, L., et al. Biochem. Pharmacol. 78(2):105-114(2009)Huang, L., et al. Oncogene 27(47):6131-6140(2008)Liu, Y., et al. J. Radiat. Res. 48(1):13-20(2007)