TNFAIP1 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	TNFAIP1, Blocking Peptide
Full Product Name	TNFAIP1 Peptide - middle region
Product Gene Name	TNFAIP1 blocking peptide
Product Synonym Gene Name	B12; B61; EDP1; BTBD34; hBACURD2
Sequence	Synthetic peptide located within the following region: DSYQPVCNIP IITSLKEEER LIESSTKPVV KLLYNRSNNK YSYTSNSDDH
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	TNFAIP1 peptide (MBS3247272) is used for blocking the activity of TNFAIP1 antibody (MBS3222604)
Molecular Weight	34 kDa
OMIM	191161
Product Categories/Family for TNFAIP1 blocking peptide	Peptide
Related Product Information for TNFAIP1 blocking peptide	This is a synthetic peptide designed for use in combination with anti- TNFAIP1 Antibody, made Target Description: This gene was identified as a gene whose expression can be induced by the tumor necrosis factor alpha (TNF) in umbilical vein endothelial cells. Studies of a similar gene in mouse suggest that the expression of this gene is developmentally regulated in a tissue-specific manner.
Other Notes	Small volumes of TNFAIP1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TNFAIP1 purchase	MBS3247272 is a blocking peptide targeting TNFAIP1. Also known as TNFAIP1 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNFAIP1. It may not necessarily be applicable to this product.

NCBI GI #	10863937
NCBI GeneID	7126
NCBI Accession #	NP_066960.1
UniProt Primary Accession #	Q13829
UniProt Related Accession #	Q13829
GenBank Nucleotide #	NM_021137.4
NCBI Official Full Name	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2
NCBI Official Synonym Full Names	TNF alpha induced protein 1

NCBI Official Symbol	TNFAIP1
NCBI Official Synonym Symbols	B12; B61; EDP1; BTBD34; hBACURD2
UniProt Protein Name	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2
UniProt Synonym Protein Names	BTB/POZ domain-containing protein TNFAIP1; Protein B12; Tumor necrosis factor, alpha-induced protein 1, endothelial
Protein Family	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein
UniProt Gene Name	TNFAIP1
UniProt Synonym Gene Names	BACURD2; EDP1; hBACURD2
UniProt Entry Name	BACD2_HUMAN
NCBI Protein Information	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2
NCBI Summary for TNFAIP1	This gene was identified as a gene whose expression can be induced by the tumor necrosis factor alpha (TNF) in umbilical vein endothelial cells. Studies of a similar gene in mouse suggest that the expression of this gene is developmentally regulated in a tissue-specific manner. [provided by RefSeq, Jul 2008]
UniProt Comments for TNFAIP1	TNFAIP1: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex involved in regulation of cytoskeleton structure. The BCR(BACURD2) E3 ubiquitin ligase complex mediates the ubiquitination of RHOA, leading to its degradation by the proteasome, thereby regulating the actin cytoskeleton and cell migration. Its interaction with RHOB may regulate apoptosis. May enhance the PCNA-dependent DNA polymerase delta activity. Belongs to the BACURD family. Protein type: DNA replication; Ubiquitin conjugating system Chromosomal Location of Human Ortholog: 17q22-q23 Cellular Component: cytoplasm; nucleolus; endosome Molecular Function: protein domain specific binding; protein binding; ubiquitin-protein ligase activity; GTP-Rho binding Biological Process: proteasomal ubiquitin-dependent protein catabolic process; cell migration; embryonic development; negative regulation of Rho protein signal transduction; apoptosis; stress fiber formation; protein ubiquitination; immune response; DNA replication; protein homooligomerization; positive regulation of DNA replication
Research Articles on TNFAIP1	**1.** TNFAIP1 silence significantly increased the migrated and invaded cells compared to that in control, while these increases were abolished by miR-424 suppression.
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