TRIM16 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	TRIM16, Blocking Peptide
Full Product Name	TRIM16 Peptide - N-terminal region
Product Gene Name	TRIM16 blocking peptide
Product Synonym Gene Name	EBBP
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	TRIM16 peptide (MBS3227742) is used for blocking the activity of TRIM16 antibody (MBS3202763)
Molecular Weight	64kDa
OMIM	609505
Product Categories/Family for TRIM16 blocking peptide	Peptide
Applications Tested/Suitable for TRIM16 blocking peptide	Western Blot (WB)
Related Product Information for TRIM16 blocking peptide	This is a synthetic peptide designed for use in combination with anti-TRIM16 antibody made Target Description: This gene was identified as an estrogen and anti-estrogen regulated gene in epithelial cells stably expressing estrogen receptor. TRIM16 contains two B box domains and a coiled-coiled region that are characteristic of the B box zinc finger protein family. The proteins of this family have been reported to be involved in a variety of biological processes including cell growth, differentiation and pathogenesis. Its function, however, has not yet been determined.This gene was identified as an estrogen and anti-estrogen regulated gene in epithelial cells stably expressing estrogen receptor. The protein encoded by this gene contains two B box domains and a coiled-coiled region that are characteristic of the B box zinc finger protein family. The proteins of this family have been reported to be involved in a variety of biological processes including cell growth, differentiation and pathogenesis. Expression of this gene was detected in most tissues. Its function, however, has not yet been determined. This gene was identified as an estrogen and anti-estrogen regulated gene in epithelial cells stably expressing estrogen receptor. The protein encoded by this gene contains two B box domains and a coiled-coiled region that are characteristic of the B box zinc finger protein family. The proteins of this family have been reported to be involved in a variety of biological processes including cell growth, differentiation and pathogenesis. Expression of this gene was detected in most tissues. Its function, however, has not yet been determined.
Other Notes	Small volumes of TRIM16 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 TRIM16 purchase	MBS3227742 is a blocking peptide targeting TRIM16. Also known as TRIM16 Peptide - N-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIM16. It may not necessarily be applicable to this product.

NCBI GI #	48255913
NCBI GeneID	10626
NCBI Accession #	NP_006461

UniProt Primary Accession #	O95361
UniProt Related Accession #	O95361
GenBank Nucleotide #	NM_006470
NCBI Official Full Name	tripartite motif-containing protein 16 isoform a
NCBI Official Synonym Full Names	tripartite motif containing 16
NCBI Official Symbol	TRIM16
NCBI Official Synonym Symbols	EBBP
UniProt Protein Name	Tripartite motif-containing protein 16
UniProt Synonym Protein Names	Estrogen-responsive B box protein
Protein Family	Tripartite motif-containing protein
UniProt Gene Name	TRIM16
UniProt Synonym Gene Names	EBBP
UniProt Entry Name	TRI16_HUMAN
NCBI Protein Information	tripartite motif-containing protein 16
NCBI Summary for TRIM16	The protein encoded by this gene is a tripartite motif (TRIM) family member that contains two B box domains and a coiled-coiled region that are characteristic of the B box zinc finger protein family. While it lacks a RING domain found in other TRIM proteins, the encoded protein can homodimerize or heterodimerize with other TRIM proteins and has E3 ubiquitin ligase activity. This gene is also a tumor suppressor and is involved in secretory autophagy. [provided by RefSeq, Jan 2017]
UniProt Comments for TRIM16	TRIM16: May play a role in the regulation of keratinocyte differentiation. Belongs to the TRIM/RBCC family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Chromosomal Location of Human Ortholog: 17p11.2 Cellular Component: PML body; cytoplasm Molecular Function: protein binding; NACHT domain binding; DNA binding; zinc ion binding; interleukin-1 binding Biological Process: response to organophosphorus; response to retinoic acid; positive regulation of transcription, DNA-dependent; positive regulation of retinoic acid receptor signaling pathway; positive regulation of interleukin-1 beta secretion; positive regulation of keratinocyte differentiation
Research Articles on TRIM16	**1.** High TRIM16 expression is associated with drug resistance in Non-Small Cell Lung Cancer.
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