UBQLN3 Blocking Peptide

PRODUCT OVERVIEW

Product Name	UBQLN3, Blocking Peptide
Full Product Name	UBQLN3 Peptide
Product Gene Name	UBQLN3 blocking peptide
Product Synonym Gene Name	TUP-1
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	UBQLN3 peptide (MBS3236418) is used for blocking the activity of UBQLN3 antibody (MBS3211469)
Molecular Weight	72kDa
OMIM	605473
Product Categories/Family for UBQLN3 blocking peptide	Peptide
Applications Tested/Suitable for UBQLN3 blocking peptide	Western Blot (WB)
Related Product Information for UBQLN3 blocking peptide	This is a synthetic peptide designed for use in combination with anti-UBQLN3 antibody made Target Description: UBQLN3 is an ubiquitin-like protein (ubiquilin) that shares high degree of similarity with related products in yeast, rat and frog. Ubiquilins contain a N-terminal ubiquitin-like domain and a C-terminal ubiquitin-associated domain. They physically associate with both proteasomes and ubiquitin ligases, and thus thought to functionally link the ubiquitination machinery to the proteasome to affect in vivo protein degradation. UBQLN3 is specifically expressed in the testis, and proposed to regulate cell-cycle progression during spermatogenesis. This gene encodes an ubiquitin-like protein (ubiquilin) that shares high degree of similarity with related products in yeast, rat and frog. Ubiquilins contain a N-terminal ubiquitin-like domain and a C-terminal ubiquitin-associated domain. They physically associate with both proteasomes and ubiquitin ligases, and thus thought to functionally link the ubiquitination machinery to the proteasome to affect in vivo protein degradation. This gene is specifically expressed in the testis, and proposed to regulate cell-cycle progression during spermatogenesis.
Other Notes	Small volumes of UBQLN3 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 UBQLN3 purchase	MBS3236418 is a blocking peptide targeting UBQLN3. Also known as UBQLN3 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UBQLN3. It may not necessarily be applicable to this product.

NCBI GI #	8567418
NCBI GeneID	50613
NCBI Accession #	NP_059509
UniProt Primary Accession #	Q9H347
UniProt Related Accession #	Q9H347

GenBank Nucleotide #	NM_017481
NCBI Official Full Name	ubiquilin-3
NCBI Official Synonym Full Names	ubiquilin 3
NCBI Official Symbol	UBQLN3
NCBI Official Synonym Symbols	TUP-1
UniProt Protein Name	Ubiquilin-3
Protein Family	Ubiquilin
UniProt Gene Name	UBQLN3
UniProt Entry Name	UBQL3_HUMAN
NCBI Protein Information	ubiquilin-3
NCBI Summary for UBQLN3	This gene encodes a ubiquitin-like protein (ubiquilin) that shares a high degree of similarity with related products in yeast, rat and frog. Ubiquilins contain an N-terminal ubiquitin-like domain and a C-terminal ubiquitin-associated domain. They physically associate with both proteasomes and ubiquitin ligases, and are thus thought to functionally link the ubiquitination machinery to the proteasome to affect in vivo protein degradation. This gene is specifically expressed in the testis. It has been suggested that this gene may regulate cell-cycle progression during spermatogenesis, however, it has been shown that the ortholgous mouse gene is dispensable for embryonic development and spermatogenesis. [provided by RefSeq, Nov 2016]
UniProt Comments for UBQLN3	UBQLN3: Chromosomal Location of Human Ortholog: 11p15
Research Articles on UBQLN3	**1.** Functional analysis of the orthologous mouse gene.
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