UPK3B Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	UPK3B, Blocking Peptide
Full Product Name	UPK3B Peptide - middle region
Product Gene Name	UPK3B blocking peptide
Product Synonym Gene Name	P35; UP3B; UPIIIB
Sequence	Synthetic peptide located within the following region: GLASASDTVW LVVAFSNASR GFQNPETLAD IPASPQLLTD GHYMTLPLSP
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	UPK3B peptide (MBS3247536) is used for blocking the activity of UPK3B antibody (MBS3222869)
Molecular Weight	35 kDa
OMIM	611887
Product Categories/Family for UPK3B blocking peptide	Peptide
Related Product Information for UPK3B blocking peptide	This is a synthetic peptide designed for use in combination with anti- UPK3B Antibody, made Target Description: UPK3B is a minor component of the apical plaques of mammalian urothelium that binds and dimerizes with uroplakin-1b (UPK1B; MIM 602380), one of the major conserved urothelium membrane proteins. The other major conserved integral membrane proteins of urothelial plaques are UPK1A (MIM 611557), UPK2 (MIM 611558), and UPK3A (MIM 611559) (Deng et al., 2002 [PubMed 12446744]).[supplied by OMIM, Mar 2008]
Other Notes	Small volumes of UPK3B 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 UPK3B purchase	MBS3247536 is a blocking peptide targeting UPK3B. Also known as UPK3B Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UPK3B. It may not necessarily be applicable to this product.

NCBI GI #	13399330
NCBI GeneID	105375355
NCBI Accession #	NP_085047.1
UniProt Primary Accession #	Q9BT76
UniProt Related Accession #	Q9BT76
GenBank Nucleotide #	NM_030570.3
NCBI Official Full Name	uroplakin-3b isoform a
NCBI Official Synonym Full Names	uroplakin 3B

NCBI Official Symbol	UPK3B
NCBI Official Synonym Symbols	P35; UP3B; UPIIIB
UniProt Protein Name	Uroplakin-3b
UniProt Synonym Protein Names	Uroplakin IIIb; UPIIIb; p35
Protein Family	Uroplakin
UniProt Gene Name	UPK3B
UniProt Synonym Gene Names	UP3b; UPIIIb
UniProt Entry Name	UPK3B_HUMAN
NCBI Protein Information	uroplakin-3b
NCBI Summary for UPK3B	UPK3B is a minor component of the apical plaques of mammalian urothelium that binds and dimerizes with uroplakin-1b (UPK1B; MIM 602380), one of the major conserved urothelium membrane proteins. The other major conserved integral membrane proteins of urothelial plaques are UPK1A (MIM 611557), UPK2 (MIM 611558), and UPK3A (MIM 611559) (Deng et al., 2002 [PubMed 12446744]).[supplied by OMIM, Mar 2008]
UniProt Comments for UPK3B	UPK3B: Component of the asymmetric unit membrane (AUM); a highly specialized biomembrane elaborated by terminally differentiated urothelial cells. May play an important role in AUM-cytoskeleton interaction in terminally differentiated urothelial cells. It also contributes to the formation of urothelial glycocalyx which may play an important role in preventing bacterial adherence. Belongs to the uroplakin-3 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 7q11.2 Cellular Component: plasma membrane; integral to membrane
Research Articles on UPK3B	**1.** LRRN4 was only detected in primary mesothelial cells, but MSLN and UPK3B were also detected in other cell types.
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