Uap1 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	Uap1, Blocking Peptide
Full Product Name	Uap1 Peptide - C-terminal region
Product Gene Name	Uap1 blocking peptide
Product Synonym Gene Name	AA420407; AA437972; AGX-1; AGX-2; AGX1; AgX; ESTM38; SPAG2
Sequence	LKDANDVPIQ CEISPLISYA GEGLEGYVAD KEFHAPLIID ENGVHELVKN
Species Reactivity	Mouse
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	Uap1 peptide (MBS3234326) is used for blocking the activity of Uap1 antibody (MBS3209367)
Molecular Weight	58kDa
Product Categories/Family for Uap1 blocking peptide	Peptide
Applications Tested/Suitable for Uap1 blocking peptide	Western Blot (WB)
Related Product Information for Uap1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-Uap1 Antibody, made Target Description: The function of this protein remains unknown.
Other Notes	Small volumes of Uap1 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 Uap1 purchase	MBS3234326 is a blocking peptide targeting Uap1. Also known as Uap1 Peptide - C-terminal region. Reactive in Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Uap1. It may not necessarily be applicable to this product.

NCBI GI #	30520375
NCBI GeneID	107652
NCBI Accession #	NP_598567
UniProt Primary Accession #	Q91YN5
UniProt Related Accession #	Q91YN5
GenBank Nucleotide #	NM_133806
NCBI Official Full Name	UDP-N-acetylhexosamine pyrophosphorylase isoform 2
NCBI Official Synonym Full Names	UDP-N-acetylglucosamine pyrophosphorylase 1
NCBI Official Symbol	Uap1

NCBI Official Synonym Symbols	AgX; AGX1; AGX-1; AGX-2; SPAG2; ESTM38; AA420407; AA437972
UniProt Protein Name	UDP-N-acetylhexosamine pyrophosphorylase
Protein Family	Probable UDP-N-acetylglucosamine pyrophosphorylase
UniProt Gene Name	Uap1
UniProt Entry Name	UAP1_MOUSE
NCBI Protein Information	UDP-N-acetylhexosamine pyrophosphorylase
UniProt Comments for Uap1	UAP1: Converts UDP and GlcNAc-1-P into UDP-GlcNAc, and UDP and GalNAc-1-P into UDP-GalNAc. Isoform AGX1 has 2 to 3 times higher activity towards GalNAc-1-P, while isoform AGX2 has 8 times more activity towards GlcNAc-1-P. Belongs to the UDPGP type 1 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Transferase; EC 2.7.7.23; EC 2.7.7.83; Motility/polarity/chemotaxis; Carbohydrate Metabolism - amino sugar and nucleotide sugar Cellular Component: nucleoplasm; cytoplasm; plasma membrane; cytosol Molecular Function: transferase activity; UDP-N-acetylglucosamine diphosphorylase activity; carbohydrate binding; nucleotidyltransferase activity Biological Process: UDP-N-acetylglucosamine metabolic process; metabolic process
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