UBAC1 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	UBAC1, Blocking Peptide
Full Product Name	UBAC1 Peptide - N-terminal region
Product Gene Name	UBAC1 blocking peptide
Product Synonym Gene Name	GBDR1; RP11-432J22.3; UBADC1
Sequence	Synthetic peptide located within the following region: DGAEWLEEAT EDTSVEKLKE RCLKHCAHGS LEDPKSITHH KLIHAASERV
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	UBAC1 peptide (MBS3238948) is used for blocking the activity of UBAC1 antibody (MBS3214010)
Molecular Weight	44kDa
OMIM	608129
Product Categories/Family for UBAC1 blocking peptide	Peptide
Applications Tested/Suitable for UBAC1 blocking peptide	Western Blot (WB)
Related Product Information for UBAC1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-UBAC1 Antibody, made Target Description: UBAC1 is a non-catalytic subunit of the KPC complex that acts as E3 ubiquitin-protein ligase. It is required for poly-ubiquitination and proteasome-mediated degradation of CDKN1B during G1 phase of the cell cycle.
Other Notes	Small volumes of UBAC1 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 UBAC1 purchase	MBS3238948 is a blocking peptide targeting UBAC1. Also known as UBAC1 Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UBAC1. It may not necessarily be applicable to this product.

NCBI GI #	55770884
NCBI GeneID	10422
NCBI Accession #	NP_057256
UniProt Primary Accession #	Q9BSL1
UniProt Related Accession #	Q9BSL1
GenBank Nucleotide #	NM_016172
NCBI Official Full Name	ubiquitin-associated domain-containing protein 1

NCBI Official Synonym Full Names	UBA domain containing 1
NCBI Official Symbol	UBAC1
NCBI Official Synonym Symbols	KPC2; GBDR1; UBADC1
UniProt Protein Name	Ubiquitin-associated domain-containing protein 1
UniProt Synonym Protein Names	E3 ubiquitin-protein ligase subunit KPC2; Glialblastoma cell differentiation-related protein 1; Kip1 ubiquitination-promoting complex protein 2
Protein Family	Ubiquitin-associated domain-containing protein
UniProt Gene Name	UBAC1
UniProt Synonym Gene Names	GBDR1; KPC2; UBADC1; UBA domain-containing protein 1
UniProt Entry Name	UBAC1_HUMAN
NCBI Protein Information	ubiquitin-associated domain-containing protein 1
UniProt Comments for UBAC1	UBAC1: Non-catalytic subunit of the KPC complex that acts as E3 ubiquitin-protein ligase. Required for poly-ubiquitination and proteasome-mediated degradation of CDKN1B during G1 phase of the cell cycle. Chromosomal Location of Human Ortholog: 9q34.3 Cellular Component: Golgi apparatus; cytoplasm; plasma membrane Molecular Function: protein binding Biological Process: protein ubiquitination
Research Articles on UBAC1	**1.** AIRE interacts with multiple components of the transcription complex including a novel interaction with the UBA domain protein, GBDR1.
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