NUSAP1 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	NUSAP1, Blocking Peptide
Full Product Name	NUSAP1 Peptide - C-terminal region
Product Gene Name	NUSAP1 blocking peptide
Product Synonym Gene Name	ANKT; BM037; FLJ13421; LNP; PRO0310p1; Q0310; SAPL; NUSAP
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	NUSAP1 peptide (MBS3233094) is used for blocking the activity of NUSAP1 antibody (MBS3208131)
Molecular Weight	25kDa
OMIM	612818
Product Categories/Family for NUSAP1 blocking peptide	Peptide
Applications Tested/Suitable for NUSAP1 blocking peptide	Western Blot (WB)
Related Product Information for NUSAP1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-NUSAP1 antibody made Target Description: NUSAP1 is a microtubule-associated protein with the capacity to bundle and stabilize microtubules. It may associate with chromosomes and promote the organization of mitotic spindle microtubules around them.
Other Notes	Small volumes of NUSAP1 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 NUSAP1 purchase	MBS3233094 is a blocking peptide targeting NUSAP1. Also known as NUSAP1 Peptide - C-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NUSAP1. It may not necessarily be applicable to this product.

NCBI GI #	341865560
NCBI GeneID	51203
NCBI Accession #	NP_057443
UniProt Primary Accession #	Q9BXS6
UniProt Related Accession #	Q9BXS6
GenBank Nucleotide #	NM_016359
NCBI Official Full Name	nucleolar and spindle-associated protein 1 isoform 4
NCBI Official Synonym Full Names	nucleolar and spindle associated protein 1
NCBI Official Symbol	NUSAP1

NCBI Official Synonym Symbols	LNP; ANKT; SAPL; BM037; NUSAP; Q0310; PRO0310p1
UniProt Protein Name	Nucleolar and spindle-associated protein 1
Protein Family	Nucleolar and spindle-associated protein
UniProt Gene Name	NUSAP1
UniProt Synonym Gene Names	ANKT; NuSAP
UniProt Entry Name	NUSAP_HUMAN
NCBI Protein Information	nucleolar and spindle-associated protein 1
NCBI Summary for NUSAP1	NUSAP1 is a nucleolar-spindle-associated protein that plays a role in spindle microtubule organization (Raemaekers et al., 2003 [PubMed 12963707]).[supplied by OMIM, Jun 2009]
UniProt Comments for NUSAP1	NUSAP1: Microtubule-associated protein with the capacity to bundle and stabilize microtubules. May associate with chromosomes and promote the organization of mitotic spindle microtubules around them. Belongs to the NUSAP family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Nucleolus; Cell cycle regulation Chromosomal Location of Human Ortholog: 15q15.1 Cellular Component: spindle microtubule; cytoplasm; nucleolus; chromosome; nucleus Molecular Function: DNA binding; microtubule binding Biological Process: establishment of mitotic spindle localization; cytokinesis after mitosis; mitotic sister chromatid segregation; positive regulation of mitosis; mitotic chromosome condensation
Research Articles on NUSAP1	**1.** Study provides evidence that downregulation of NUSAP1 can inhibit the proliferation, migration, and invasion of IBC cells by regulating CDK1 and DLGAP5 expression and enhances the drug susceptibility to E-ADM.
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