PPP1R13B Blocking Peptide – >85% Purity

PRODUCT OVERVIEW

Product Name	PPP1R13B, Blocking Peptide
Full Product Name	PPP1R13B Blocking Peptide
Product Gene Name	PPP1R13B blocking peptide
Product Synonym Names	ASPP1; KIAA0771; Apoptosis-stimulating of p53 protein 1; Protein phosphatase 1 regulatory subunit 13B
Host	Synthetic
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized powder
Purity/Purification	>85%
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Antibody/Peptide Pairs	PPP1R13B peptide (MBS8215353) is used for blocking the activity of PPP1R13B antibody (MBS8229955)
Molecular Weight	119,565 Da
OMIM	606455
Quality Control	The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.
Directions for Use	Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4 degree C for overnight or at room temperature for 2 hours.
Applications Tested/Suitable for PPP1R13B blocking peptide	Blocking (BL)
Related Product Information for PPP1R13B blocking peptide	MBS8215353 is a blocking peptide targeting PPP1R13B. Reactive in Human, Mouse, Rat. Host: Synthetic. The peptide is used to block Anti-PPP1R13B Antibody reactivity.
Other Notes	Small volumes of PPP1R13B 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPP1R13B. It may not necessarily be applicable to this product.

NCBI GI #	121114287
NCBI GeneID	23368
NCBI Accession #	NP_056131.2
UniProt Primary Accession #	Q96KQ4
UniProt Secondary Accession #	O94870; B2RMX5
UniProt Related Accession #	Q96KQ4
GenBank Nucleotide #	NM_015316.2
NCBI Official Full Name	apoptosis-stimulating of p53 protein 1
NCBI Official Synonym Full Names	protein phosphatase 1, regulatory subunit 13B

NCBI Official Symbol	PPP1R13B
NCBI Official Synonym Symbols	p85; ASPP1; p53BP2-like
UniProt Protein Name	Apoptosis-stimulating of p53 protein 1
UniProt Synonym Protein Names	Protein phosphatase 1 regulatory subunit 13B
Protein Family	Apoptosis-stimulating of p53 protein
UniProt Gene Name	PPP1R13B
UniProt Synonym Gene Names	ASPP1; KIAA0771
UniProt Entry Name	ASPP1_HUMAN
NCBI Protein Information	apoptosis-stimulating of p53 protein 1
NCBI Summary for PPP1R13B	This gene encodes a member of the ASPP (apoptosis-stimulating protein of p53) family of p53 interacting proteins. The protein contains four ankyrin repeats and an SH3 domain involved in protein-protein interactions. ASPP proteins are required for the induction of apoptosis by p53-family proteins. They promote DNA binding and transactivation of p53-family proteins on the promoters of proapoptotic genes. Expression of this gene is regulated by the E2F transcription factor. [provided by RefSeq, Jul 2008]
UniProt Comments for PPP1R13B	PPP1R13B: Regulator that plays a central role in regulation of apoptosis via its interaction with p53/TP53. Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo. Belongs to the ASPP family. Protein type: Apoptosis; Protein phosphatase, regulatory subunit; Tumor suppressor Chromosomal Location of Human Ortholog: 14q32.33 Cellular Component: nucleoplasm; cytoplasm; plasma membrane; nucleus Molecular Function: protein binding; transcription factor binding Biological Process: negative regulation of cell cycle
Research Articles on PPP1R13B	**1.** ASPP1/2 interacted with centrosome linker protein C-Nap1. Co-depletion of ASPP1 and ASPP2 inhibited re-association of C-Nap1 with centrosome at the end of mitosis.
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