WDPCP Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	WDPCP, Blocking Peptide
Full Product Name	WDPCP Peptide - N-terminal region
Product Gene Name	WDPCP blocking peptide
Product Synonym Gene Name	FRTZ; BBS15; FRITZ; C2orf86
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	WDPCP peptide (MBS3237624) is used for blocking the activity of WDPCP antibody (MBS3212677)
Molecular Weight	68kDa
OMIM	217085
Product Categories/Family for WDPCP blocking peptide	Peptide
Applications Tested/Suitable for WDPCP blocking peptide	Western Blot (WB)
Related Product Information for WDPCP blocking peptide	This is a synthetic peptide designed for use in combination with anti-LOC51057 antibody made Target Description: The specific function of this protein remains unknown.
Other Notes	Small volumes of WDPCP 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 WDPCP purchase	MBS3237624 is a blocking peptide targeting WDPCP. Also known as WDPCP Peptide - N-terminal region.

ADDITIONAL DETAILS

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

NCBI GI #	111548652
NCBI GeneID	51057
NCBI Accession #	NP_056994
UniProt Primary Accession #	O95876
UniProt Related Accession #	O95876
GenBank Nucleotide #	NM_015910
NCBI Official Full Name	WD repeat-containing and planar cell polarity effector protein fritz homolog isoform 2
NCBI Official Synonym Full Names	WD repeat containing planar cell polarity effector
NCBI Official Symbol	WDPCP
NCBI Official Synonym Symbols	FRTZ; BBS15; FRITZ; CHDTHP; C2orf86; CPLANE5
UniProt Protein Name	WD repeat-containing and planar cell polarity effector protein fritz homolog

UniProt Synonym Protein Names	Bardet-Biedl syndrome 15 protein; WD repeat-containing and planar cell polarity effector protein
Protein Family	WD repeat-containing and planar cell polarity effector protein
UniProt Gene Name	WDPCP
UniProt Synonym Gene Names	BBS15; C2orf86; FRITZ; hFRTZ
NCBI Protein Information	WD repeat-containing and planar cell polarity effector protein fritz homolog
NCBI Summary for WDPCP	This gene encodes a cytoplasmic WD40 repeat protein. A similar gene in frogs encodes a planar cell polarity protein that plays a critical role in collective cell movement and ciliogenesis by mediating septin localization. Mutations in this gene are associated with Bardet-Biedl syndrome 15 and may also play a role in Meckel-Gruber syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]
UniProt Comments for WDPCP	Probable effector of the planar cell polarity signaling pathway which regulates the septin cytoskeleton in both ciliogenesis and collective cell movements. Together with FUZ and WDPCP proposed to function as core component of the CPLANE (ciliogenesis and planar polarity effectors) complex involved in the recruitment of peripheral IFT-A proteins to basal bodies ().
Research Articles on WDPCP	**1.** Inflammatory cytokines cause reduced WDPCP expression, which contributes to impaired ciliogenesis in human rhinosinusitis.
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