WASF3 Blocking Peptide

PRODUCT OVERVIEW

Product Name	WASF3, Blocking Peptide
Full Product Name	WASF3 Peptide
Product Gene Name	WASF3 blocking peptide
Product Synonym Gene Name	Brush-1; KIAA0900; SCAR3; WAVE3
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	WASF3 peptide (MBS3235627) is used for blocking the activity of WASF3 antibody (MBS3210672)
Molecular Weight	55kDa
OMIM	605068
Product Categories/Family for WASF3 blocking peptide	Peptide
Applications Tested/Suitable for WASF3 blocking peptide	Western Blot (WB)
Related Product Information for WASF3 blocking peptide	This is a synthetic peptide designed for use in combination with anti-WASF3 antibody made Target Description: WASF3 is a member of the Wiskott-Aldrich syndrome protein family. It is a protein that forms a multiprotein complex that links receptor kinases and actin. Binding to actin occurs through a C-terminal verprolin homology domain in all family members. The multiprotein complex serves to tranduce signals that involve changes in cell shape, motility or function.This gene encodes a member of the Wiskott-Aldrich syndrome protein family. The gene product is a protein that forms a multiprotein complex that links receptor kinases and actin. Binding to actin occurs through a C-terminal verprolin homology domain in all family members. The multiprotein complex serves to tranduce signals that involve changes in cell shape, motility or function. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Other Notes	Small volumes of WASF3 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 WASF3 purchase	MBS3235627 is a blocking peptide targeting WASF3. Also known as WASF3 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WASF3. It may not necessarily be applicable to this product.

NCBI GI #	13699803
NCBI GeneID	10810
NCBI Accession #	NP_006637
UniProt Primary Accession #	Q9UPY6
UniProt Related Accession #	Q9UPY6
GenBank Nucleotide #	NM_006646

NCBI Official Full Name	wiskott-Aldrich syndrome protein family member 3 isoform 1
NCBI Official Synonym Full Names	WASP family member 3
NCBI Official Symbol	WASF3
NCBI Official Synonym Symbols	SCAR3; WAVE3; Brush-1
UniProt Protein Name	Wiskott-Aldrich syndrome protein family member 3
UniProt Synonym Protein Names	Protein WAVE-3; Verprolin homology domain-containing protein 3
Protein Family	Wiskott-Aldrich syndrome protein family
UniProt Gene Name	WASF3
UniProt Synonym Gene Names	KIAA0900; SCAR3; WAVE3; WASP family protein member 3
UniProt Entry Name	WASF3_HUMAN
NCBI Protein Information	wiskott-Aldrich syndrome protein family member 3
NCBI Summary for WASF3	This gene encodes a member of the Wiskott-Aldrich syndrome protein family. The gene product is a protein that forms a multiprotein complex that links receptor kinases and actin. Binding to actin occurs through a C-terminal verprolin homology domain in all family members. The multiprotein complex serves to tranduce signals that involve changes in cell shape, motility or function. A pseudogene of this gene have been defined on chromosome 6. Alternative splicing results in multiple transcript variants [provided by RefSeq, May 2014]
UniProt Comments for WASF3	WASF3: Downstream effector molecules involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape. Binds actin and the Arp2/3 complex. Expressed in ovary and brain. Belongs to the SCAR/WAVE family. Protein type: Actin-binding; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 13q12 Cellular Component: cytoskeleton; lamellipodium; cytoplasm Molecular Function: actin binding Biological Process: positive regulation of myelination; lamellipodium biogenesis; regulation of cell shape; actin filament polymerization; protein complex assembly; cytoskeleton organization and biogenesis; oligodendrocyte development
Research Articles on WASF3	**1.** Study demonstrated that the expression levels of WAVE3 in pancreatic cancer tissues were prominently higher than those in the non-cancerous tissues which seems to be associated with lymphatic metastasis, poorly differentiated tumors. Furthermore, findings suggest that WAVE3 influences cell proliferation, migration and invasion via the AKT pathway.
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