Wasf2 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	Wasf2, Blocking Peptide
Full Product Name	Wasf2 Peptide - N-terminal region
Product Gene Name	Wasf2 blocking peptide
Product Synonym Gene Name	AW742646; D4Ertd13e; WAVE2
Sequence	ALKFYTNPSY FFDLWKEKML QDTKDIMKEK RKHRKEKKDN PNRGNVNPRK
Species Reactivity	Mouse
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	Wasf2 peptide (MBS3235266) is used for blocking the activity of Wasf2 antibody (MBS3210310)
Molecular Weight	55kDa
Product Categories/Family for Wasf2 blocking peptide	Peptide
Applications Tested/Suitable for Wasf2 blocking peptide	Western Blot (WB)
Related Product Information for Wasf2 blocking peptide	This is a synthetic peptide designed for use in combination with anti-Wasf2 Antibody, made Target Description: Wasf2 is a downstream effector molecule involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton. It promotes formation of actin filaments. Wasf2 is a part of the WAVE complex that regulates lamellipodia formation. The WAVE complex regulates actin filament reorganization via its interaction with the Arp2/3 complex.
Other Notes	Small volumes of Wasf2 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 Wasf2 purchase	MBS3235266 is a blocking peptide targeting Wasf2. Also known as Wasf2 Peptide - N-terminal region. Reactive in Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Wasf2. It may not necessarily be applicable to this product.

NCBI GI #	23510313
NCBI GeneID	242687
NCBI Accession #	NP_700472
UniProt Primary Accession #	Q8BH43
UniProt Related Accession #	Q8BH43
GenBank Nucleotide #	NM_153423
NCBI Official Full Name	wiskott-Aldrich syndrome protein family member 2
NCBI Official Synonym Full Names	WAS protein family, member 2

NCBI Official Symbol	Wasf2
NCBI Official Synonym Symbols	WAVE2; AW742646; D4Ertd13e
UniProt Protein Name	Wiskott-Aldrich syndrome protein family member 2
UniProt Synonym Protein Names	Protein WAVE-2
Protein Family	Wiskott-Aldrich syndrome protein family
UniProt Gene Name	Wasf2
UniProt Synonym Gene Names	WASP family protein member 2
NCBI Protein Information	wiskott-Aldrich syndrome protein family member 2
UniProt Comments for Wasf2	WAVE2: Downstream effector molecule involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton. Promotes formation of actin filaments. Part of the WAVE complex that regulates lamellipodia formation. The WAVE complex regulates actin filament reorganization via its interaction with the Arp2/3 complex. Binds actin and the Arp2/3 complex. Interacts with BAIAP2. Component of the WAVE2 complex composed of ABI1, CYFIP1/SRA1, NCKAP1/NAP1 and WASF2/WAVE2. Directly interacts with BRK1. Expressed in all tissues with strongest expression in placenta, lung, and peripheral blood leukocytes, but not in skeletal muscle. Belongs to the SCAR/WAVE family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Actin-binding; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 4 D2.3|4 66.22 cM Cellular Component: cell projection; cytoplasm; cytoskeleton; early endosome; extracellular exosome; intercellular junction; intracellular; lamellipodium; protein complex; ruffle Molecular Function: actin binding; cadherin binding; protein binding; protein complex binding; protein kinase A binding; SH3 domain binding Biological Process: actin cytoskeleton organization; actin filament-based movement; ameboidal cell migration; angiogenesis; cell motility; endocytosis; lamellipodium assembly; lamellipodium morphogenesis; negative regulation of stress fiber formation; positive regulation of lamellipodium assembly; Rac protein signal transduction
Research Articles on Wasf2	**1.** WAVE2/c-Abl survival signal required at the hematopoietic stem cell (HSC) fetal liver to marrow transition that confers fitness to the HSC for marrow hematopoiesis
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