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WASF2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP14540c

Specification

WASF2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9Y6W5

WASF2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 10163

Other Names
Wiskott-Aldrich syndrome protein family member 2, WASP family protein member 2, Protein WAVE-2, Verprolin homology domain-containing protein 2, WASF2, WAVE2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

WASF2 Antibody (Center) Blocking Peptide - Protein Information

Name WASF2 (HGNC:12733)

Function
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.

Cellular Location
Cytoplasm, cytoskeleton. Cell projection, lamellipodium. Basolateral cell membrane. Note=At the interface between the lamellipodial actin meshwork and the membrane.

Tissue Location
Expressed in all tissues with strongest expression in placenta, lung, and peripheral blood leukocytes, but not in skeletal muscle.

WASF2 Antibody (Center) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

WASF2 Antibody (Center) Blocking Peptide - Images

WASF2 Antibody (Center) Blocking Peptide - Background

This gene encodes a member of the Wiskott-Aldrich syndromeprotein family. The gene product is a protein that forms amultiprotein complex that links receptor kinases and actin. Bindingto actin occurs through a C-terminal verprolin homology domain inall family members. The multiprotein complex serves to tranducesignals that involve changes in cell shape, motility or function.The published map location (PMID:10381382) has been changed basedon recent genomic sequence comparisons, which indicate that theexpressed gene is located on chromosome 1, and a pseudogene may belocated on chromosome X.

WASF2 Antibody (Center) Blocking Peptide - References

Takahashi, K., et al. Cell. Signal. 22(3):510-518(2010)Lebensohn, A.M., et al. Mol. Cell 36(3):512-524(2009)Cai, X., et al. Lung Cancer 65(3):299-305(2009)Morimura, S., et al. Biochem. Biophys. Res. Commun. 382(3):614-619(2009)Takahashi, K., et al. Cell. Signal. 21(5):695-703(2009)