

**WASF2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14540c****Specification**

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**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**

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 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 transduce signals that involve changes in cell shape, motility or function. The published map location (PMID:10381382) has been changed based on recent genomic sequence comparisons, which indicate that the expressed gene is located on chromosome 1, and a pseudogene may be located 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)