

**WASF2 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14540c**

**Specification**

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**WASF2 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9Y6W5</a>
Other Accession	<a href="#">O8BH43</a> , <a href="#">A2VDK6</a> , <a href="#">NP_008921.1</a>
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	54284
Antigen Region	162-190

**WASF2 Antibody (Center) - 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

**Target/Specificity**

This WASF2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 162-190 amino acids from the Central region of human WASF2.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

WASF2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**WASF2 Antibody (Center) - 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

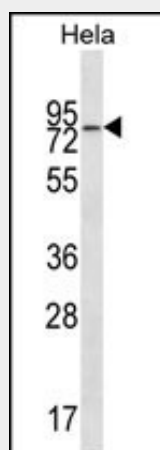
Expressed in all tissues with strongest expression in placenta, lung, and peripheral blood leukocytes, but not in skeletal muscle.

### WASF2 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### WASF2 Antibody (Center) - Images



WASF2 Antibody (Center) (Cat. #AP14540c) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the WASF2 antibody detected the WASF2 protein (arrow).

### WASF2 Antibody (Center) - 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) - 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)