

Rabbit WASF2 Polyclonal Antibody | anti-WASF2 antibody

WASF2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325260	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

WASF2; Polyclonal Antibody; WASF2 Antibody; DICTYOSTELIUM; dJ393P12.2; IMD2; Protein WAVE-2; Putative Wiskott Aldrich syndrome protein family member 4; SCAR 2; SCAR; SCAR2; Suppressor of cyclic-AMP receptor (WASP family); Verprolin homology domain-containing protein 2; WASF2_HUMAN; WASF4; WASP family protein member 2; WASP family protein member 4; WASP family Verprolin homologous protein 2; WASP-family protein member 2; WAVE 2; WAVE2; Wiskott-Aldrich syndrome protein family member 2; Wiskott-Aldrich syndrome protein family verprolin-homologous protein; anti-WASF2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	WASF2 antibody detects endogenous levels of total WASF2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	281
Applicable Applications for anti-WASF2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm > Cytoskeleton. Cell Projection > Lamellipodium. At the interface between the lamellipodial actin meshwork and the membrane.
Tissue Specificity	Expressed in all tissues with strongest expression in placenta, lung, and peripheral blood leukocytes, but not in skeletal muscle.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (91%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325260 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from B16F10, using WASF2 Antibody. Lane 1 was treated with the blocking peptide.



IHC (Immunohistochemistry)

AAA325260 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from 293 cells, using WASF2 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-WASF2 antibody

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.

Subunit Structure: Binds actin and the Arp2/3 complex. Interacts with BAIAP2. Component of the WAVE2 complex composed of ABI1, CYFIP1/SRA1, NCKAP1/NAP1 (NCKAP1/HEM1 in hematopoietic cells) and WASF2/WAVE2 (PubMed:16417406). Directly interacts with BRK1. Interacts with human cytomegalovirus protein UL135. Interacts with FNBP1L (via the SH3 domain) (PubMed:19798448).

Similarity: Binds and activates the Arp2/3 complex via the C-terminal domain. Interacts with actin via the WH2 domain. Belongs to the SCAR/WAVE family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	319655728
NCBI GeneID	10163
NCBI Accession #	NP_001188333.1
NCBI GenBank Nucleotide #	NM_001201404.2
UniProt Accession #	Q9Y6W5; O60794; Q9UDY7; B4DZN0
Molecular Weight	Observed: 54 kD Predicted: 55 kDa
NCBI Official Full Name	wiskott-Aldrich syndrome protein family member 2 isoform 2
NCBI Official Synonym Full Names	WAS protein family member 2
NCBI Official Symbol	WASF2
NCBI Official Synonym Symbols	IMD2; SCAR2; WASF4; WAVE2; dJ393P12.2
NCBI Protein Information	wiskott-Aldrich syndrome protein family member 2
UniProt Protein Name	Wiskott-Aldrich syndrome protein family member 2
UniProt Gene Name	WASF2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/wasf2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/325260>