

Rabbit WAVE1 (N-terminal region) Polyclonal Antibody | anti-WASF1 antibody

WAVE1 (N-terminal region)

CATALOG # AAA71534	HOST Rabbit	REACTIVITY Human, Rat, Mouse	APPLICATIONS Western Blot, ELISA
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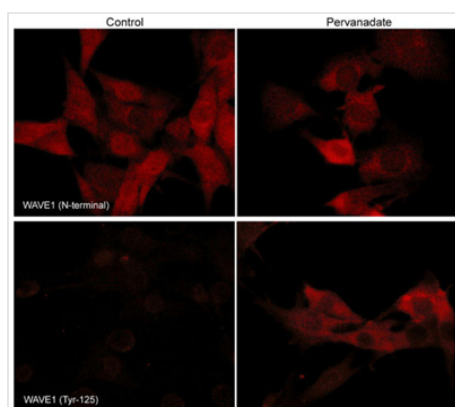
PRODUCT SYNONYMS

WAVE1 (N-terminal region); Polyclonal Antibody; Wiskott-Aldrich syndrome verproline-homologous protein 1; Scar1; WASF1; anti-WASF1 antibody

PRODUCT SPECIFICATIONS

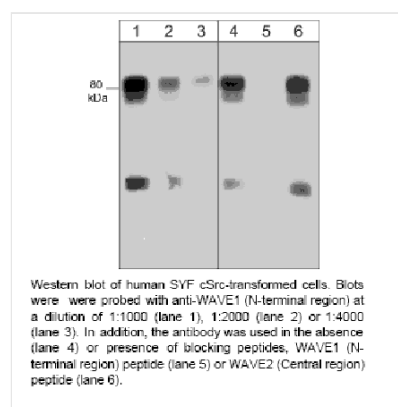
Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	This antibody was affinity purified using WAVE1 (Nterminal region) peptide (without carrier). The antibody detects an 80 kDa* protein corresponding to the molecular mass of WAVE1 on SDS-PAGE immunoblots of human SYF cSrc-transformed, HUVEC, and K562 cells, as well as rat PC12 cells and mouse C2C12 cells.
Purity/Purification	Affinity Purified
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100 ul phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-WASF1 antibody	WB (Western Blot), ELISA
Immunogen	A synthetic peptide (coupled to KLH) corresponding to amino acid residues in the N-terminal half of human WAVE1. This sequence has high homology with similar regions in rat and mouse WAVE1, and has less than 50% homology to similar regions in human WAVE2 and WAVE3.
Preparation and Storage	Store at -20°C. Stable for 1 year.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemical labeling of phosphorylated WAVE in pervanadate-treated mouse C2C12. The cells were labeled with rabbit polyclonal WAVE1 (N-terminal region) and WAVE (Tyr-125) antibodies, then the antibodies were detected using appropriate secondary antibodies conjugated to Cy3.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-WASF1 antibody	The Wiskott-Aldrich syndrome protein (WASP) family is involved in various pathways that regulate actin cytoskeletal organization. This family includes WASP, N-WASP, and three WAVE/SCAR isoforms, WAVE1, 2, and 3. WAVE proteins play key roles in actin-mediated cell events, such as membrane ruffling and lamellipodia formation. WAVES contain an Nterminal WAVE homology domain, a basic domain, a Proline-rich region, and carboxy terminal verprolin, cofilin, and acidic (VCA) region. WAVES are thought to act downstream of the Rac GTPase, connecting Rac activation to induction of Arp 2/3-mediated actin polymerization. Regulation of WAVE activity can occur through tyrosine phosphorylation. Src phosphorylation of WAVE1 at Tyr-125 enhances binding to the Arp2/3 complex, and is required for WAVE inhibition of Arp2/3-mediated stress fiber formation. By contrast, WAVE2 phosphorylation of Tyr-150 by Abl may enhance Arp2/3 complex actin nucleation and microspike formation in fibroblasts. Thus, site-specific tyrosine phosphorylation may be important for controlling specific activities of WAVE proteins.
References	• Arderm, H. et al. (2006) Cell Motil. Cytosk. 63:6. • Leng, Y. et al. (2005) PNAS 102(4):1098. • Suetsugu, S. et al. (1999) Bioch. Biophys. Res. Comm. 260:296. • Miki, H. et al. (1999) J Biol. Chem. 274(39):27605.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68161504
NCBI GeneID	8936
NCBI Accession #	NP_001020107.1
NCBI GenBank Nucleotide #	NM_001024936.1
UniProt Accession #	Q92558; Q5SZK7; E1P5F2; Q5SZK3; Q5SZK4; Q5SZK5
NCBI Official Full Name	wiskott-Aldrich syndrome protein family member 1
NCBI Official Synonym Full Names	WAS protein family, member 1
NCBI Official Symbol	WASF1
NCBI Official Synonym Symbols	WAVE; SCAR1; WAVE1; FLJ31482; KIAA0269
NCBI Protein Information	wiskott-Aldrich syndrome protein family member 1; protein WAVE-1; OTTHUMP00000016990; OTTHUMP00000016992; WASP family protein member 1; homology of dictyostelium scar 1; verprolin homology domain-containing protein 1
UniProt Protein Name	Wiskott-Aldrich syndrome protein family member 1
UniProt Gene Name	WASF1
UniProt Synonym Gene Names	KIAA0269; SCAR1; WAVE1
UniProt Entry Name	WASF1_HUMAN

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/wave1-n-terminal-region-antibody-western-blot-elisa/71534>