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WAVE1 Polyclonal Antibody

domain-containing protein 1 Observed Band Cytoplasm, cytoskeleton. Cell junction, synapse. Cell junction, focal adhesion. Dot-like pattern in the cytoplasm. Concentrated in Rac-regulated membrane-ruffling areas (PubMed:9889097). Partial translocation to focal adhesion sites might be mediated by interaction with SORBS2 (PubMed:18559503). In neurons, colocalizes with activated NTRK2 after BDNF addition in endocytic sites through the association with TMEM108 (By similarity). Tissue Specificity Highly expressed in brain. Lowly expressed in testis, ovary, colon, kidney, pancreas, thymus, small intestine and peripheral blood.		
Reactivity Human;Mouse;Rat Applications WB;HC;IF;ELISA Gene Name WASF1 Protein Name Wiskott-Aldrich syndrome protein family member 1 Immunogen The antiserum was produced against synthesized peptide derived from human WAVE1. AA range:91-140 Specificity WAVE1 Polyclonal Antibody detects endogenous levels of WAVE1 protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution Western Blot: 1/500 - 1/2000. Immunofhistochemistry: 1/100 - 1/300. Immunoffuorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications. Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms WASF1; KIAA0269; SCAR1; WAVE1; Wiskott-Aldrich syndrome protein family member 1; WASP family protein member 1; Protein WAVE-1; Verprolin homology domain-containing protein 1 Observed Band 70kD Cell Pathway Cytoplasm, cytoskeleton . Cell junction, synapse . Cell junction, focal adhesion is adhesion sites might be mediated by interaction with SORBS2 (PubMed:18559503). In neurons, colocalizes with activated NTRK2 after BDNF addition in endocytic sites through the association with TMEM108 (By similanty). Tissue Specificity Highly expressed in brain. Lowly expressed in testis, ovary, colon, kidney, pancreas, thymus, small intestine and peripheral blood. domain:Binds the Arp2/3 complex through the C-terminal region and actin through verprolin homology (VPH) domain. function:Downstream effector molecules involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton, similarity. Belongs to the SCAR/WAVE family, similarity. Contains 1 WHz domain. subcellular location:Dolike pattern in	Catalog No	YP-Ab-03214
Applications WB:HC;IF;ELISA Gene Name WASF1 Protein Name Wiskott-Aldrich syndrome protein family member 1 Immunogen The antiserum was produced against synthesized peptide derived from human WAVE1. AA range:91-140 Specificity WAVE1 Polyclonal Antibody detects endogenous levels of WAVE1 protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution Western Blot: 1/500 - 1/2000. Immunoflourescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications. Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms WASF1; KIAA0269; SCAR1; WAVE1; Wiskott-Aldrich syndrome protein family member 1; WASP family protein member 1; Protein WAVE-1; Verprolin homology domain-containing protein 1 Observed Band 70kD Cell Pathway Cytoskeleton . Cell junction, synapse . Cell junction, focal adhesion is sites might be mediated by interaction with SORBS22 (PubMed: 18559503). In neurons, colocalizes with activated NTRK2 after BDNF addition in endocytic sites through the association with SORBS22 (PubMed: 18559503). In neurons, colocalizes with activated NTRK2 after BDNF addition in endocytic sites through the association with TMBM108 (By similarity). Tissue Specificity Highly expressed in brain. Lowly expressed in testis, ovary, colon, kidney, pancreas, thymus, small intestine and peripheral blood. Function domain.Binds the Arp2/3 complex through the C-terminal region and actin through veryrolin homology (VPH) domain.,function:Downstream effector molecules involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton, similarity:Belongs to the SCARWAVE family, semilarity.	Isotype	IgG
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Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications. Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms WASF1; KIAA0269; SCAR1; WAVE1; Wiskott-Aldrich syndrome protein family member 1; WASP family protein member 1; Protein WAVE-1; Verprolin homology domain-containing protein 1 Observed Band 70kD Cell Pathway Cytoplasm, cytoskeleton. Cell junction, synapse. Cell junction, focal adhesion. Dot-like pattern in the cytoplasm. Concentrated in Rac-regulated membrane-ruffling areas (PubMed:9889097). Partial translocation to focal adhesion sites might be mediated by interaction with SORBS2 (PubMed:18559503). In neurons, colocalizes with activated NTRK2 after BDNF addition in endocytic sites through the association with TMEM108 (By similarity). Tissue Specificity Highly expressed in brain. Lowly expressed in testis, ovary, colon, kidney, pancreas, thymus, small intestine and peripheral blood. Function domain:Binds the Arp2/3 complex through the C-terminal region and actin through verprolin homology (VPH) domain.,function:Downstream effector molecules involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton.,similarity:Belongs to the SCAR/WAVE family, similarity. Contains 1 WH2 domain.,subcellular location:Do-like pattern in	Immunogen	
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Function Function domain:Binds the Arp2/3 complex through the C-terminal region and actin through verprolin homology (VPH) domain.,function:Downstream effector molecules involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton.,similarity:Belongs to the SCAR/WAVE family.,similarity:Contains 1 WH2 domain.,subcellular location:Dot-like pattern in	Cell Pathway	Dot-like pattern in the cytoplasm. Concentrated in Rac-regulated membrane-ruffling areas (PubMed:9889097). Partial translocation to focal adhesion sites might be mediated by interaction with SORBS2
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	Function	involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton.,similarity:Belongs to the SCAR/WAVE family.,similarity:Contains 1 WH2 domain.,subcellular location:Dot-like pattern in



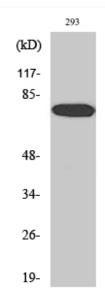
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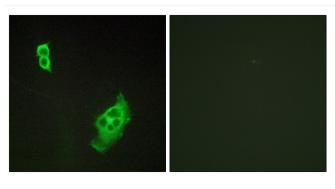


	C3orf10/HSPC300, NCKAP1 and WASF1/WAVE1. CYFIP2 binds to activated RAC1 which causes the complex to dissociate, releasing activated WASF1. The complex can also be activated by NCK1 (By similarity). Binds actin and the Arp2/3 complex. Interacts with BAIAP2.,tissue specificity:Highly expressed in brain. Lowly expressed in testis, ovary, colon, kidney, pancreas, thymus, small in
Background	The protein encoded by this gene, a member of the Wiskott-Aldrich syndrome protein (WASP)-family, plays a critical role downstream of Rac, a Rho-family small GTPase, in regulating the actin cytoskeleton required for membrane ruffling. It has been shown to associate with an actin nucleation core Arp2/3 complex while enhancing actin polymerization in vitro. Wiskott-Aldrich syndrome is a disease of the immune system, likely due to defects in regulation of actin cytoskeleton. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

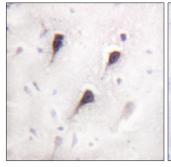
Products Images

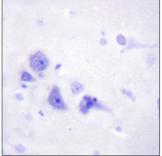


Western Blot analysis of various cells using WAVE1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunofluorescence analysis of COS7 cells, using WAVE1 Antibody. The picture on the right is blocked with the synthesized peptide.





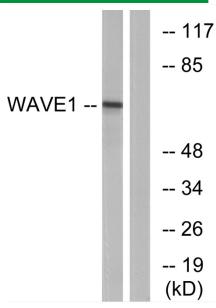
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using WAVE1 Antibody. The picture on the right is blocked with the synthesized peptide.



UpingBio technology Co.,Ltd

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Western blot analysis of lysates from 293 cells, treated with insulin 0.01U/ml 15', using WAVE1 Antibody. The lane on the right is blocked with the synthesized peptide.