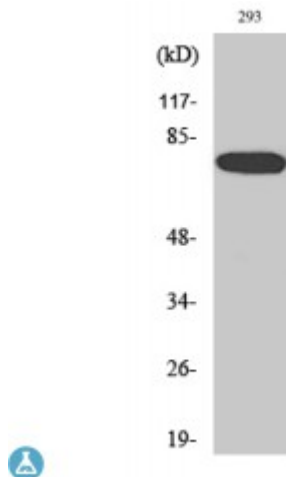


Anti-WAVE1 antibody



Description	Rabbit polyclonal to WAVE1.
Model	STJ96262
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human WAVE1 around the non-phosphorylation site of Y125.
Immunogen Region	60-140 aa
Gene ID	8936
Gene Symbol	WASF1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:40000
Specificity	WAVE1 Polyclonal Antibody detects endogenous levels of WAVE1 protein.
Tissue Specificity	Highly expressed in brain. Lowly expressed in testis, ovary, colon, kidney, pancreas, thymus, small intestine and peripheral blood.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Wiskott-Aldrich syndrome protein family member 1 WASP family protein member 1 Protein WAVE-1 Verprolin homology domain-containing protein 1
Molecular Weight	70 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:12732OMIM:605035
Alternative Names	Wiskott-Aldrich syndrome protein family member 1 WASP family protein member 1 Protein WAVE-1 Verprolin homology domain-containing protein 1
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 . As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes .
Sequence and Domain Family	Binds the Arp2/3 complex through the C-terminal region and actin through verprolin homology (VPH) domain.
Cellular Localization	Cytoplasm, cytoskeleton Cell junction, synapse Cell junction, focal adhesion. Dot-like pattern in the cytoplasm. Concentrated in Rac-regulated membrane-ruffling areas . Partial translocation to focal adhesion sites might be mediated by interaction with SORBS2 . In neurons, colocalizes with activated NTRK2 after BDNF addition in endocytic sites through the association with TMEM108 .
Post-translational Modifications	Phosphorylated on tyrosine residues by ABL1 and dephosphorylated by PTPN12.