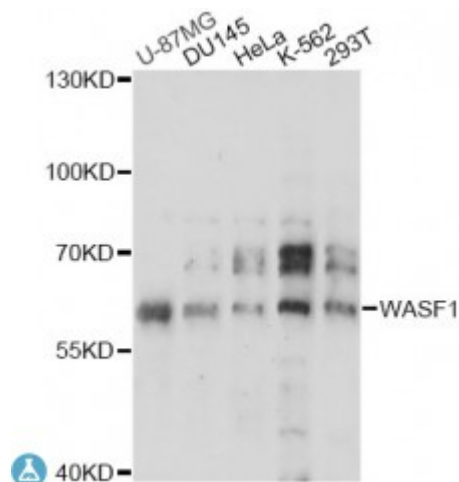


Anti-WASF1 Antibody



Description

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.

Model	STJ116831
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 400 to the C-terminus of human WASF1 (NP_001020107.1).
Gene ID	8936
Gene Symbol	WASF1
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Highly expressed in brain, Lowly expressed in testis, ovary, colon, kidney, pancreas, thymus, small intestine and peripheral blood
Purification	Affinity purification
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	61.652 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:12732OMIM:605035Reactome:R-HSA-2029482
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 ,
Cellular Localization	Cytoplasm, cytoskeleton,
Post-translational Modifications	Phosphorylated on tyrosine residues by ABL1 and dephosphorylated by PTPN12,