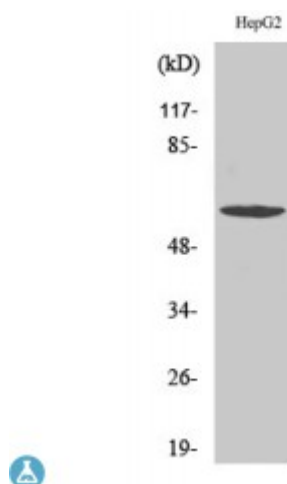


Anti-WASP antibody



Description	Rabbit polyclonal to WASP.
Model	STJ96261
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human WASP around the non-phosphorylation site of Y290.
Immunogen Region	230-310 aa
Gene ID	7454
Gene Symbol	WAS
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:5000
Specificity	WASP Polyclonal Antibody detects endogenous levels of WASP protein.
Tissue Specificity	Expressed predominantly in the thymus. Also found, to a much lesser extent, in the spleen.
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 WASp
Molecular Weight	60 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:12731OMIM:300299
Alternative Names	Wiskott-Aldrich syndrome protein WASp
Function	Effector protein for Rho-type GTPases. Regulates actin filament reorganization via its interaction with the Arp2/3 complex. Important for efficient actin polymerization. Possible regulator of lymphocyte and platelet function. Mediates actin filament reorganization and the formation of actin pedestals upon infection by pathogenic bacteria.
Sequence and Domain Family	The WH1 (Wasp homology 1) domain may bind a Pro-rich ligand.; The CRIB (Cdc42/Rac-interactive-binding) region binds to the C-terminal WH2 domain in the autoinhibited state of the protein. Binding of Rho-type GTPases to the CRIB induces a conformation change and leads to activation.
Cellular Localization	Cytoplasm, cytoskeleton.
Post-translational Modifications	Phosphorylated at Tyr-291 by FYN and HCK, inducing WAS effector activity after TCR engagement. Phosphorylation at Tyr-291 enhances WAS activity in promoting actin polymerization and filopodia formation.

St John's Laboratory Ltd

F +44 (0)207 681 2580
T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>
E info@stjohnslabs.com