

Rabbit WASP Polyclonal Antibody | anti-WASP antibody

Phospho-WASP (Tyr291) Antibody

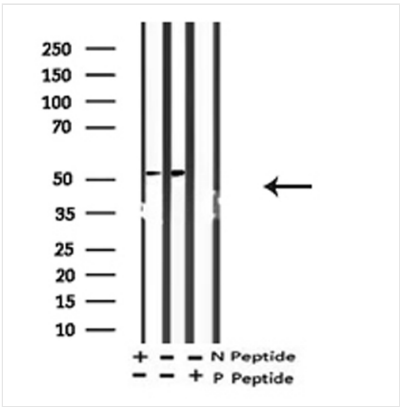
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328452	Rabbit	Human, Mouse Predicted: Sheep, Rabbit, Dog, Xenopus	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

WASP; Polyclonal Antibody; Phospho-WASP (Tyr291) Antibody; Eczema thrombocytopenia; IMD2; SCNX; THC; THC1; Thrombocytopenia 1 (X linked); U42471; Was; WASp; WASP_HUMAN; Wiskott Aldrich syndrome (eczema thrombocytopenia); Wiskott Aldrich syndrome; Wiskott Aldrich syndrome protein; Wiskott-Aldrich syndrome protein; anti-WASP antibody

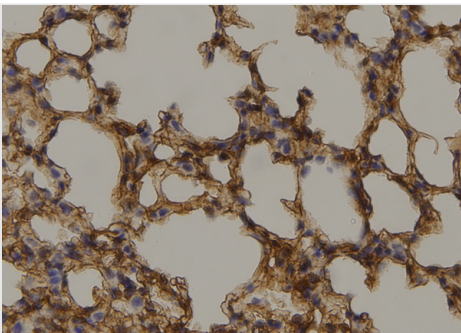
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted: Sheep, Rabbit, Dog, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-WASP (Tyr291) Antibody detects endogenous levels of WASP only when phosphorylated at Tyr291.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	502
Applicable Applications for anti-WASP antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human WASP around the phosphorylation site of Tyr291.
Tissue Specificity	Expressed predominantly in the thymus. Also found, to a much lesser extent, in the spleen.
Subcellular Location	Cytoskeleton
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)

Western blot analysis of Phospho-WASP (Tyr291) in lysates of HepG2, using Phospho-WASP (Tyr291) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining mouse lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-WASP antibody	Description: 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. 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. Subunit Structure: Interacts with NCK1 (via SH3 domains) (By similarity). Interacts with CDC42, RAC, NCK, HCK, FYN, SRC kinase FGR, BTK, ABL1, PSTPIP1, WIP, and to the p85 subunit of PLC-gamma. Binds the Arp2/3 complex. Interacts (via C-terminus) with ALDOA. Interacts with E.coli effector protein EspF(U). Similarity: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507909
NCBI GeneID	7454
NCBI Accession #	NP_000368.1
NCBI GenBank Nucleotide #	NP_000368.1
UniProt Accession #	P42768
Molecular Weight	Observed: 53kd Predicted: 53 kDa
NCBI Official Full Name	wiskott-Aldrich syndrome protein
NCBI Official Synonym Full Names	WASP actin nucleation promoting factor
NCBI Official Symbol	WAS
NCBI Official Synonym Symbols	THC; IMD2; SCNX; THC1; WASP; WASPA
NCBI Protein Information	wiskott-Aldrich syndrome protein
UniProt Protein Name	Wiskott-Aldrich syndrome protein

UniProt Gene Name	WAS
UniProt Synonym Gene Names	IMD2; WASp
UniProt Entry Name	WASP_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/wasp-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328452>