Rabbit WASL Polyclonal Antibody | anti-WASL antibody

WASL Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326778	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunohistochemistry, Western Blot**

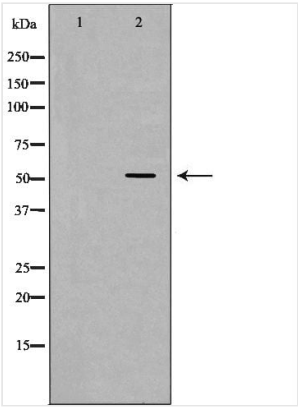
PRODUCT SYNONYMS

WASL; Polyclonal Antibody; WASL Antibody; DKFZp779G0847; MGC48327; N-WASP; Neural Wiskott Aldrich syndrome protein; Neural Wiskott-Aldrich syndrome protein; NWASP; Wasl; WASL_HUMAN; WASPB; Wiskott Aldrich syndrome gene like; Wiskott Aldrich syndrome gene like protein; Wiskott Aldrich syndrome like; WiskottAldrich syndrome like; anti-WASL antibody

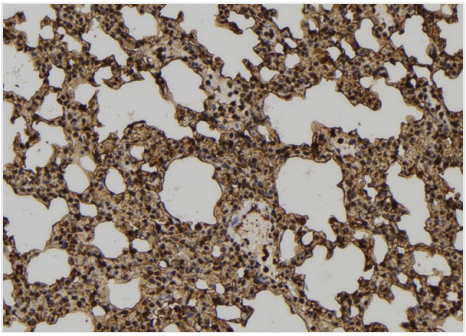
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	WASL antibody detects endogenous levels of total WASL
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
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	505
Applicable Applications for anti-WASL antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human WASL
Subcellular Location	Cytoplasm > Cytoskeleton. Nucleus. Preferentially localized in the cytoplasm when phosphorylated and in the nucleus when unphosphorylated.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of Mouse kidney lysate, using WASL Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)
AAA326778 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample 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-WASL antibody	Description: This gene encodes a member of the Wiskott-Aldrich syndrome (WAS) protein family. Wiskott-Aldrich syndrome proteins share similar domain structure, and associate with a variety of signaling molecules to alter the actin cytoskeleton. The encoded protein is highly expressed in neural tissues, and interacts with several proteins involved in cytoskeletal organization, including cell division control protein 42 (CDC42) and the actin-related protein-2/3 (ARP2/3) complex. The encoded protein may be involved in the formation of long actin microspikes, and in neurite extension. Function: Regulates actin polymerization by stimulating the actin-nucleating activity of the Arp2/3 complex. Involved in mitosis and cytokinesis, via its role in the regulation of actin polymerization. Binds to HSF1/HSTF1 and forms a complex on heat shock promoter elements (HSE) that negatively regulates HSP90 expression. Plays a role in dendrite spine morphogenesis (By similarity). Subunit Structure: Binds actin and the Arp2/3 complex. Interacts with CDC42. Binds to SH3 domains of GRB2. Interacts with the C-terminal SH3 domain of DNMBP. Interacts with SNX9. Interacts with the WW domains of PRPF40A/FBP11. Interacts with PTK2/FAK1. Interacts with PACSIN1, PACSIN2 and PACSIN3 (By similarity). Interacts with NOSTRIN. Interacts with Shigella flexneri protein IcsA. The interaction with IcsA enhances the affinity of WASL for Arp2/3, thus assembling a tight complex which has maximal activity in actin assembly. Interacts with E.coli effector protein EspF(U). Identified in a complex containing at least WASL, BAIAP2L1 and E.coli EspF(U). Binds to TNK2. Interacts with SNX33. Post-translational Modifications: Phosphorylation at Ser-242, Tyr-256, Ser-484 and Ser-485 enhances actin polymerization activity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51702526
NCBI GeneID	8976
NCBI Accession #	NP_003932.3
NCBI GenBank Nucleotide #	NM_003941.3
UniProt Accession #	O00401; Q7Z746; A1JUI9
Molecular Weight	Observed: 54 kDa Predicted: 55 kDa
NCBI Official Full Name	neural Wiskott-Aldrich syndrome protein
NCBI Official Synonym Full Names	Wiskott-Aldrich syndrome like
NCBI Official Symbol	WASL
NCBI Official Synonym Symbols	NWASP; WASPB; N-WASP

NCBI Protein Information	neural Wiskott-Aldrich syndrome protein
UniProt Protein Name	Neural Wiskott-Aldrich syndrome protein
UniProt Gene Name	**WASL**
UniProt Synonym Gene Names	N-WASP1 PublicationManual assertion based on opinion iniRef.10

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/wasl-antibody-immunohistochemistry-western-blot-elisa/326778