

Rabbit N-WASP Polyclonal Antibody | anti-N-WASP antibody

Phospho-N-WASP (Tyr256) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328236	Rabbit	Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

N-WASP; Polyclonal Antibody; Phospho-N-WASP (Tyr256) Antibody; DKFZp779G0847; MGC48327; 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-N-WASP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-N-WASP(Tyr256) Antibody detects endogenous levels of N-WASP only when phosphorylated at Tyr256.
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	505
Applicable Applications for anti-N-WASP antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human N-WASP around the phosphorylation site of Tyr256.
Subcellular Location	Cytoskeleton; Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-N-WASP(Tyr256) in lysates of Pervanadate-treated A431, using Phospho-N-WASP(Tyr256) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining mouse heart 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



IHC (Immunohistochemistry)

At 1/100 staining rat heart 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



IHC (Immunohistochemistry)

At 1/100 staining human brain 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-N-WASP antibody

Description: 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).

Post Translational Modifications: Phosphorylation at Ser-242, Tyr-256, Ser-484 and Ser-485 enhances actin polymerization activity.

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51702526
NCBI GeneID	8976
NCBI Accession #	NP_003932.3
NCBI GenBank Nucleotide #	NP_003932.3
UniProt Accession #	O00401
Molecular Weight	Observed: 54 kDa Predicted: 55 kDa
NCBI Official Full Name	neural Wiskott-Aldrich syndrome protein
NCBI Official Synonym Full Names	WASP like actin nucleation promoting factor
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-WASP
UniProt Entry Name	WASL_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.