

Rabbit N-WASP (Ser-484/Ser-485) Polyclonal Antibody | anti-WASL antibody

Anti-N-WASP (S484/S485), phospho-specific [WASP (S483/S484)]

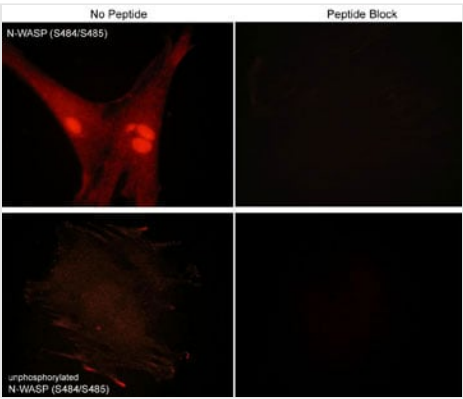
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71525	Rabbit	Human, Rat, Mouse	Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

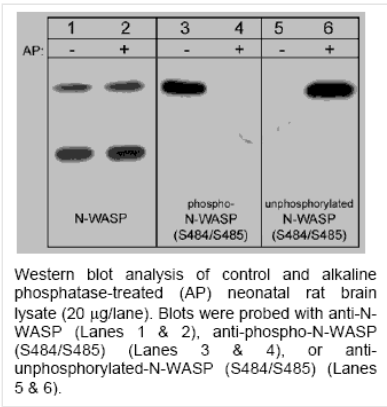
N-WASP (Ser-484/Ser-485); Polyclonal Antibody; Anti-N-WASP (S484/S485); phospho-specific [WASP (S483/S484)]; phospho-specific; Neural Wiskott-Aldrich syndrome protein; WASL; anti-WASL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	This antibody was cross-adsorbed to unphosphorylated-N-WASP (S484/S485) peptide (without carrier) then affinity purified using phospho-N-WASP (S484/S485) peptide (without carrier). The antibody detects a 63 kDa* protein corresponding to the molecular mass of phosphorylated WASP on SDS-PAGE immunoblots of Jurkat cell lysate. In rat brain, A431, human endothelial and SKN-SH cells, this antibody detects a 65 kDa* protein corresponding to phosphorylated N-WASP.
Purity/Purification	Affinity Purified
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100 ul phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-WASL antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Phospho-N-WASP (S484/S485) synthetic peptide (coupled to KLH) corresponding to amino acid residues around serine 484 and 485 of human N-WASP. The human WASP sequence has a similar peptide sequence surrounding serine 483 and 484.
Preparation and Storage	Store at -20°C. Stable for 1 year.



ICC (Immunocytochemistry)
Immunocytochemical labeling of phosphorylated and unphosphorylated N-WASP in rabbit spleen fibroblasts. The cells were probed with N-WASP phospho-specific and N-WASP unphosphorylated antibodies, then the antibodies were detected using appropriate secondary antibodies conjugated to Cy3. The antibodies were in the absence (left) or presence (right) or their respective blocking peptide.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-WASL antibody	Members of the Wiskott-Aldrich syndrome protein (WASP) family regulate the formation of actin-based cell structures in many cell types. These proteins contain C-terminal actin-binding domains that can stimulate actin polymerization. In addition, these proteins bind the ARP2/3 complex, which can nucleate actin polymerization at sites that lead to branched actin structures. WASP is expressed primarily in hematopoietic cells, while its homolog N-WASP is widely expressed. These proteins have 48% identity in human with the highest homology in the functional regions of these proteins. Phosphorylation regulates the activity of both proteins. Dual phosphorylation of WASP on serine 483 and 484 by casein kinases increase the affinity for the ARP2/3 complex. Thus, dual serine phosphorylation may be important for formation of actin-based structures in various cell types.
References	• Higgs, H.N. & Pollard, T.D. (2001) Annu Rev Biochem 70:649-676. • Cory, G.O. et al. (2003) Mol Cell 11(5):1229-39.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51702526
NCBI GeneID	8976
NCBI Accession #	NP_003932.3
NCBI GenBank Nucleotide #	NM_003941.2
UniProt Accession #	O00401; Q7Z746; Q68DE4
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; N-WASP; MGC48327; DKFZp779G0847
NCBI Protein Information	neural Wiskott-Aldrich syndrome protein; OTTHUMP00000211994; Wiskott-Aldrich syndrome gene-like
UniProt Protein Name	Neural Wiskott-Aldrich syndrome protein
UniProt Gene Name	WASL
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/n-wasp-ser-484-ser-485-antibody-immunocytochemistry-western-blot-elisa/71525>