

WASL Antibody

Rabbit mAb

Catalog # AP91351

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	O00401
Reactivity	Human, Mouse
Clonality	Monoclonal
Other Names	N-WASP; Neural Wiskott Aldrich syndrome protein; NWASP; Wasl; WASPB; Wiskott Aldrich syndrome gene like;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	54827

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human WASL
Description	Regulates actin polymerization by stimulating the actin-nucleating activity of the Arp2/3 complex. Binds to HSF1/HSTF1 and forms a complex on heat shock promoter elements (HSE) that negatively regulates HSP90 expression.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

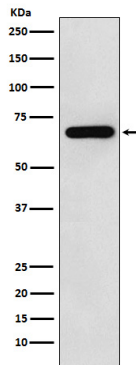
Name	WASL
Function	Regulates actin polymerization by stimulating the actin- nucleating activity of the Arp2/3 complex (PubMed: 16767080 , PubMed: 19366662 , PubMed: 19487689 , PubMed: 22847007 , PubMed: 22921828 , PubMed: 9422512). Involved in various processes, such as mitosis and cytokinesis, via its role in the regulation of actin polymerization (PubMed: 19366662 , PubMed: 19487689 , PubMed: 22847007 , PubMed: 22921828 , PubMed: 9422512). Together with CDC42, involved in the extension and maintenance of the formation of thin, actin-rich surface projections called filopodia (PubMed: 9422512). In addition to its role in the cytoplasm, also plays a role in the nucleus by regulating gene transcription, probably by promoting nuclear actin polymerization (PubMed: 16767080). Binds to HSF1/HSTF1 and forms a complex on heat shock promoter elements (HSE) that negatively regulates HSP90 expression (By similarity). Plays a role in dendrite spine morphogenesis (By similarity). Decreasing levels of DNMBP (using antisense RNA) alters apical junction morphology in cultured

enterocytes, junctions curve instead of being nearly linear
(PubMed:[19767742](#)).

Cellular Location

Cytoplasm, cytoskeleton. Nucleus Cytoplasm
{ECO:0000250|UniProtKB:Q91YD9}. Note=Preferentially localized in the cytoplasm when phosphorylated and in the nucleus when unphosphorylated (By similarity). Exported from the nucleus by an nuclear export signal (NES)-dependent mechanism to the cytoplasm (By similarity).
{ECO:0000250|UniProtKB:Q91YD9}

Images



Western blot analysis of WASL expression in HeLa cell lysate.

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