

WASL Polyclonal Antibody

Catalog No :	YN2316
Reactivity :	Human;Rat;Mouse
Applications :	WB;ELISA
Target :	WASL
Fields :	>>Endocytosis;>>Adherens junction;>>Regulation of actin cytoskeleton;>>Bacterial invasion of epithelial cells;>>Pathogenic Escherichia coli infection;>>Shigellosis;>>Salmonella infection;>>Yersinia infection
Gene Name :	WASL
Protein Name :	Neural Wiskott-Aldrich syndrome protein (N-WASP)
Human Gene Id :	8976
Human Swiss Prot No :	O00401
Mouse Swiss Prot No :	Q91YD9
Rat Swiss Prot No :	O08816
Immunogen :	Synthesized peptide derived from human protein . at AA range: 190-270
Specificity :	WASL Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 55kD

Cell Pathway : Chemokine;Adherens_Junction;Fc gamma R-mediated phagocytosis;Regulates Actin and Cytoskeleton;Pathogenic Escherichia coli infection;

Background : 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. [provided by RefSeq, Jul 2013],

Function : function: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.,similarity:Contains 1 CRIB domain.,similarity:Contains 1 WH1 domain.,similarity:Contains 2 WH2 domains.,subcellular location:Preferentially localized in the cytoplasm when phosphorylated and in the nucleus when unphosphorylated.,subunit: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 the WW domains of PRPF40A/FBP11 (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.,

Subcellular Location : Cytoplasm, cytoskeleton . Nucleus . Cytoplasm . 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). .

Expression : Brain,Liver,

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