



# WASL Monoclonal Antibody

<b>Catalog No</b>	BYmab-07177
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	WASL
<b>Protein Name</b>	Neural Wiskott-Aldrich syndrome protein (N-WASP)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 190-270
<b>Specificity</b>	WASL Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	55kD
<b>Cell Pathway</b>	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). .
<b>Tissue Specificity</b>	Brain,Liver,
<b>Function</b>	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.

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The interaction with icsA enhances the affinity of WASL for Arp2/3, thus assembling a tight complex which has maximal activity in actin assembly.,

**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],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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