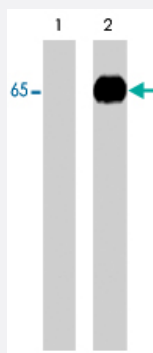


WASL polyclonal antibody

Catalog # PAB7898

Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of control (lane 1) and alkaline phosphatase-treated (AP) (lane 2) neonatal rat brain lysate (20 ug/lane). Blots were probed with WASL polyclonal antibody (Cat # PAB7898) (Lane 1).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of WASL.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding S484/S485 of human WASL.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	The human WASP sequence has a similar peptide sequence surrounding serine 483 and 484.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1 mg/mL BSA, 0.05% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of control (lane 1) and alkaline phosphatase-treated (AP) (lane 2) neonatal rat brain lysate (20 ug/lane). Blots were probed with WASL polyclonal antibody (Cat # PAB7898) (Lane 1).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — WASL

Entrez GeneID[8976](#)**Gene Name**

WASL

Gene Alias

DKFZp779G0847, MGC48327, N-WASP, NWASP

Gene Description

Wiskott-Aldrich syndrome-like

Omim ID[605056](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The Wiskott-Aldrich syndrome (WAS) family of proteins share similar domain structure, and are involved in transduction of signals from receptors on the cell surface to the actin cytoskeleton. The presence of a number of different motifs suggests that they are regulated by a number of different stimuli, and interact with multiple proteins. Recent studies have demonstrated that these proteins, directly or indirectly, associate with the small GTPase, Cdc42, known to regulate formation of actin filaments, and the cytoskeletal organizing complex, Arp2/3. The WASL gene product is a homolog of WAS protein, however, unlike the latter, it is ubiquitously expressed and shows highest expression in neural tissues. It has been shown to bind Cdc42 directly, and induce formation of long actin microspikes. [provided by RefSeq]

Other Designations

Wiskott-Aldrich syndrome gene-like|Wiskott-Aldrich syndrome gene-like protein|neural Wiskott-Aldrich syndrome protein

Publication Reference

- [Phosphorylation of the WASP-VCA domain increases its affinity for the Arp2/3 complex and enhances actin polymerization by WASP.](#)

Cory GO, Cramer R, Blanchoin L, Ridley AJ.

Molecular Cell 2003 May; 11(5):1229.

Application: WB, Human, Monkey, COS-7, Jurkat, Raji, U-937 cells

- [Regulation of actin filament network formation through ARP2/3 complex: activation by a diverse array of proteins.](#)

Higgs HN, Pollard TD.

Annual Review of Biochemistry 2001 Jan; 70:649.

Application: IHC, WB-Tr, Human, Monkey, Cancers, COS-7 cells, Mammalian cells

Pathway

- [Adherens junction](#)
- [Chemokine signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Regulation of actin cytoskeleton](#)