

RecomAb™

# WASL recombinant monoclonal antibody, clone R02-7K5

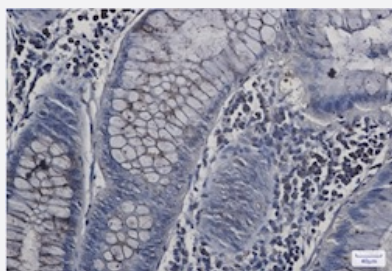
Catalog # RAB02042      Size 100 uL

## Applications



### Western Blot

Western blot analysis of 3T3 lysates with WASL recombinant monoclonal antibody, clone R02-7K5 (Cat # RAB02042).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human colon cancer with WASL recombinant monoclonal antibody, clone R02-7K5 (Cat # RAB02042).

High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human WASL.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human WASL.
Theoretical MW (kDa)	Calculated MW: 55 kD
Reactivity	Human, Mouse
Form	Liquid

<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
<b>Storage Instruction</b>	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Immunohistochemistry (Frozen sections)

- Immunofluorescence

## Gene Info — WASL

<b>Entrez GeneID</b>	<a href="#">8976</a>
<b>Protein Accession#</b>	<a href="#">O00401</a>
<b>Gene Name</b>	WASL
<b>Gene Alias</b>	DKFZp779G0847, MGC48327, N-WASP, NWASP
<b>Gene Description</b>	Wiskott-Aldrich syndrome-like
<b>Omim ID</b>	<a href="#">605056</a>

## 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

## Pathway

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