

## **Anti-WASP Rabbit Monoclonal Antibody**

**Catalog # ABO15768** 

### **Specification**

## **Anti-WASP Rabbit Monoclonal Antibody - Product Information**

Application WB, IF, ICC, IP, FC

Primary Accession
Host
Rabbit
Isotype
IgG

Reactivity Rat, Human, Mouse

Clonality Monoclonal Format Liquid

**Description** 

Anti-WASP Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

## **Anti-WASP Rabbit Monoclonal Antibody - Additional Information**

**Gene ID 7454** 

**Other Names** 

Actin nucleation-promoting factor WAS, Wiskott-Aldrich syndrome protein, WASp, WAS, IMD2

**Calculated MW** 

60 kDa KDa

**Application Details** 

WB 1:500-1:2000<br>ICC/IF 1:50-1:200<br>IP 1:40<br>FC 1:50

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen** 

A synthesized peptide derived from human WASP

**Purification** 

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

# **Anti-WASP Rabbit Monoclonal Antibody - Protein Information**

Name WAS



## Synonyms IMD2

#### **Function**

Effector protein for Rho-type GTPases that regulates actin filament reorganization via its interaction with the Arp2/3 complex (PubMed:<a

href="http://www.uniprot.org/citations/12235133" target=" blank">12235133</a>, PubMed:<a href="http://www.uniprot.org/citations/12769847" target="\_blank">12769847</a>, PubMed:<a href="http://www.uniprot.org/citations/16275905" target="blank">16275905</a>). Important for efficient actin polymerization (PubMed: <a href="http://www.uniprot.org/citations/12235133" target="\_blank">12235133</a>, PubMed:<a href="http://www.uniprot.org/citations/16275905" target="blank">16275905</a>, PubMed:<a href="http://www.uniprot.org/citations/8625410" target="blank">8625410</a>). Possible regulator of lymphocyte and platelet function (PubMed:<a href="http://www.uniprot.org/citations/9405671" target=" blank">9405671</a>). Mediates actin filament reorganization and the formation of actin pedestals upon infection by pathogenic bacteria (PubMed: <a href="http://www.uniprot.org/citations/18650809" target=" blank">18650809</a>). In addition to its role in the cytoplasmic cytoskeleton, also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA (PubMed: <a href="http://www.uniprot.org/citations/20574068" target=" blank">20574068</a>). Promotes homologous recombination (HR) repair in response to DNA damage by promoting nuclear actin polymerization, leading to drive motility of double-strand breaks (DSBs) (PubMed: <a href="http://www.uniprot.org/citations/29925947" target=" blank">29925947</a>).

### **Cellular Location**

Cytoplasm, cytoskeleton. Nucleus

### **Tissue Location**

Expressed predominantly in the thymus. Also found, to a much lesser extent, in the spleen.

### **Anti-WASP Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-WASP Rabbit Monoclonal Antibody - Images



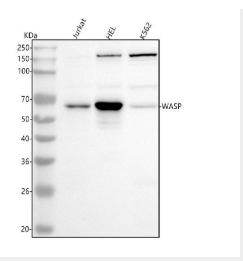


Figure 1. Western blot analysis of WASP using anti-WASP antibody (M10788).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Jurkat whole cell lysates,

Lane 2: human HEL whole cell lysates,

Lane 3: human K562 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-WASP antigen affinity purified monoclonal antibody (Catalog # M10788) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for WASP at approximately 60 kDa. The expected band size for WASP is at 53 kDa.