

**WASP Polyclonal Antibody**  
**Catalog # AP73079****Specification**

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**WASP Polyclonal Antibody - Product Information**

Application	<b>WB, IHC-P</b>
Primary Accession	<a href="#">P42768</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**WASP Polyclonal Antibody - Additional Information****Gene ID** 7454**Other Names**

WAS; IMD2; Wiskott-Aldrich syndrome protein; WASp

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**WASP Polyclonal 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>).

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

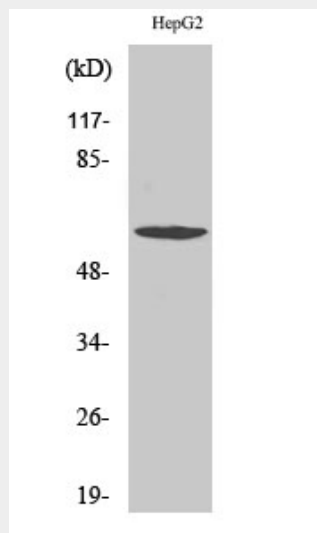
**Tissue Location**

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

**WASP Polyclonal 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 Cytometry](#)
- [Cell Culture](#)

**WASP Polyclonal Antibody - Images****WASP Polyclonal Antibody - Background**

Effector protein for Rho-type GTPases that regulates actin filament reorganization via its interaction with the Arp2/3 complex (PubMed:12235133, PubMed:12769847, PubMed:16275905). Important for efficient actin polymerization (PubMed:8625410, PubMed:12235133, PubMed:16275905). Possible regulator of lymphocyte and platelet function (PubMed:9405671).

Mediates actin filament reorganization and the formation of actin pedestals upon infection by pathogenic bacteria (PubMed:18650809). 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:20574068). 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:29925947).