

**Product Name: WASP (3Z3) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe19862**

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## Summary

<b>Production Name</b>	WASP (3Z3) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	WAS
<b>Alternative Names</b>	IMD2; SCNX; THC; THC1; U42471; Was; WASp;
<b>Gene ID</b>	7454.0
<b>SwissProt ID</b>	P42768.A synthetic peptide of human WASP/Wiskott-Aldrich syndrome protein

## Application

<b>Dilution Ratio</b>	WB: 1:2000-1:10000
<b>Molecular Weight</b>	53kDa

## Background

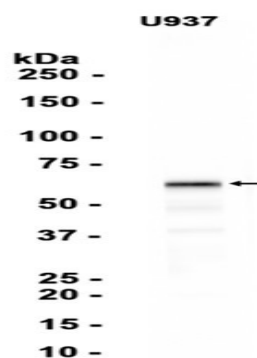
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Effector protein for Rho-type GTPases, providing a link with the Arp2/3 complex that regulates the structure and dynamics of the actin cytoskeleton. Important for efficient actin polymerization. Possible regulator of lymphocyte and platelet function. Effector protein for Rho-type GTPases that regulates actin filament reorganization via its interaction with the Arp2/3 complex (PubMed: [12235133](http://www.uniprot.org/citations/12235133)), PubMed: [12769847](http://www.uniprot.org/citations/12769847), PubMed: [16275905](http://www.uniprot.org/citations/16275905)). Important for efficient actin polymerization (PubMed: [8625410](http://www.uniprot.org/citations/8625410), PubMed: [12235133](http://www.uniprot.org/citations/12235133), PubMed: [16275905](http://www.uniprot.org/citations/16275905)). Possible regulator of lymphocyte and platelet function (PubMed: [9405671](http://www.uniprot.org/citations/9405671)). Mediates actin filament reorganization and the formation of actin pedestals upon infection by pathogenic bacteria (PubMed: [18650809](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/29925947)).

## Research Area

## Image Data



Western blot analysis of extracts from U-937 cells using RM6319 at 1:1000.

## Note

For research use only.

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