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

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:2000-1:20000,ICC/IF 1:20-1:50,FC 1:20-1:50
Molecular Weight	53kDa

Antigen Information

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

Background

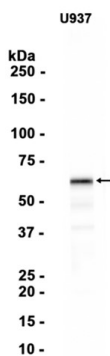
Effector protein for Rho-type GTPases, providing a link with the Arp2/3 complex that regulates the structure and dynamics of the actin cytoskeleton. Important for efficient actin polymerization. Possible regulator of lymphocyte and platelet function.

Effector protein for Rho-type GTPases that regulates actin filament reorganization via its interaction with the Arp2/3 complex (PubMed:12235133, 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).

Research Area

Chemokine;Adherens_Junction;Fc gamma R-mediated phagocytosis;Regulates Actin and Cytoskeleton;Pathogenic Escherichia coli infection;

Image Data



Western blot analysis of extracts from U-937 cells using WASP (3Z3) Rabbit Monoclonal Antibody at 1:1000.