

# WASP(Phospho-Tyr102) Antibody

Catalog No: #12863



Package Size: #12863-1 50ul #12863-2 100ul

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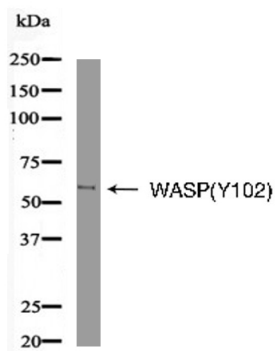
## Description

Product Name	WASP(Phospho-Tyr102) Antibody
Brief Description	Rabbit Polyclonal
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	Phospho-WASP(Y102) Antibody detects endogenous levels of WASP only when phosphorylated at Y102
Immunogen Type	Peptide-KLH
Immunogen Description	A synthesized peptide derived from human WASP(Phospho-Tyr102)
Other Names	Eczema thrombocytopenia antibody IMD2 antibody SCNX antibody THC antibody THC1 antibody Thrombocytopenia 1 (X linked) antibody U42471 antibody Was antibody WASp antibody WASP_HUMAN antibody Wiskott Aldrich syndrome (eczema thrombocytopenia) antibody Wiskott Aldrich syndrome antibody Wiskott Aldrich syndrome protein antibody Wiskott-Aldrich syndrome protein antibody
Accession No.	Swiss-Prot#:P42768 NCBI Gene ID7454
Calculated MW	60
Concentration	1.0mg mL
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+) pH 7.4 150mM NaCl 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

WB dilution:1:1000

## Images



Western blot analysis WASP(Phospho-Tyr102) using  
Adriamycin treated COS7 whole cell lysates

## Product Description

Wiskott-Aldrich syndrome proteins (WASPs) mediate actin dynamics by activating the Arp2,3 actin nucleation complex in response to activated Rho family GTPases. In mammals, five WASP family members have been described. Hematopoietic WASP and ubiquitously expressed N-WASP are autoinhibited in unstimulated cells. Upon stimulation they are activated by cdc42, which relieves the autoinhibition in conjunction with phosphatidylinositol 4,5-bisphosphate. Three WAVE (Wasf, SCAR) family proteins are similar in sequence to WASP and N-WASP but lack the WASP, N-WASP autoinhibition domains and are indirectly activated by Rac (reviewed in 1). Both WASP and WAVE functions appear to be essential, as knockout of either N-WASP or Scar-2 in mice results in cardiac and neuronal defects and embryonic lethality (2,3). Loss of WASP results in immune system defects and fewer immune cells (4). WAVE-2 (WASF2) is widely distributed, while WAVE-1 and WAVE-3 are strongly expressed in brain (5). WAVE-3 may act as a tumor suppressor in neuroblastoma, a childhood disease of the sympathetic nervous system (6). Increased expression of WAVE-3 is seen in breast cancer, and studies in breast adenocarcinoma cells indicate that WAVE-3 regulates breast cancer progression, invasion and metastasis through the p38 mitogen-activated protein kinase (MAPK) pathway (7,8).

**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.