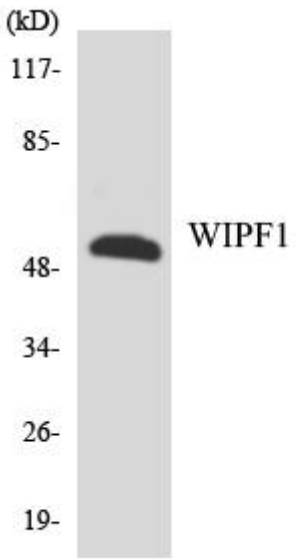
WIP Monoclonal Antibody

Catalog No	YP-mAb-03218
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	WIPF1
Protein Name	WAS/WASL-interacting protein family member 1
Immunogen	The antiserum was produced against synthesized peptide derived from human WIPF1. AA range:421-470
Specificity	WIP Monoclonal Antibody detects endogenous levels of WIP protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	WIPF1; WASPIP; WIP; WAS/WASL-interacting protein family member 1; Protein PRPL-2; Wiskott-Aldrich syndrome protein-interacting protein; WASP-interacting protein
Observed Band	52kD
Cell Pathway	Cytoplasmic vesicle . Cytoplasm, cytoskeleton . Cell projection, ruffle . Vesicle surfaces and along actin tails. Colocalizes with actin stress fibers. When coexpressed with WASL, no longer associated with actin filaments but accumulated in perinuclear and cortical areas like WASL (By similarity). .
Tissue Specificity	Highly expressed in peripheral blood mononuclear cells, spleen, placenta, small intestine, colon and thymus. Lower expression in ovary, heart, brain, lung, liver, skeletal muscle, kidney, pancreas, prostate and testis.
Function	domain:Binds to WAS within the N-terminal region 170, at a site distinct from the CDC42-binding site.,function:May have direct activity on the actin cytoskeleton. Induces actin polymerization and redistribution. Contributes with NCK1 and GRB2 in the recruitment and activation of WASL. May participate in regulating the subcellular localization of WASL, resulting in the disassembly of stress fibers in favor of filopodia formation (By similarity). Plays an important role in the intracellular motility of vaccinia virus by functioning as an adapter for recruiting WASL to vaccinia virus.,miscellaneous:Recruited to PIP5K-induced vesicle surfaces in the absence of functional WASL.,similarity:Belongs to the verprolin

	family.,similarity:Contains 1 WH2 domain.,subcellular location:Vesicle surfaces and along actin tails. Co-localized with actin stress fibers. When co-expressed with WASL, no longer a
Background	This gene encodes a protein that plays an important role in the organization of the actin cytoskeleton. The encoded protein binds to a region of Wiskott-Aldrich syndrome protein that is frequently mutated in Wiskott-Aldrich syndrome, an X-linked recessive disorder. Impairment of the interaction between these two proteins may contribute to the disease. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using WIP Monoclonal Antibody