

Product Name: WIP Rabbit Polyclonal Antibody
Catalog #: APRab19902



Summary

Production Name	WIP Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	WIPF1
Alternative Names	WIPF1; WASPIP; WIP; WAS/WASL-interacting protein family member 1; Protein PRPL-2; Wiskott-Aldrich syndrome protein-interacting protein; WASP-interacting protein
Gene ID	7456.0
SwissProt ID	O43516.The antiserum was produced against synthesized peptide derived from human WIPF1. AA range:421-470

Application

Dilution Ratio	WB 1:500-1:2000. ELISA: 1:5000.
Molecular Weight	52kD

Background

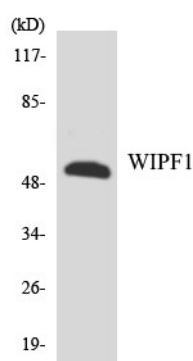
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This gene encodes a protein that plays an important role in the organization of the actin cytoskeleton. The encoded protein binds to a region of Wiskott-Aldrich syndrome protein that is frequently mutated in Wiskott-Aldrich syndrome, an X-linked recessive 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],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 associated with actin filaments but accumulated in perinuclear and cortical areas like WASL.,subunit: Binds to WAS, profilin and actin. Binds to WASL.,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.,

Research Area

Image Data



Western blot analysis of the lysates from HT-29 cells using WIPF1 antibody.

Note

For research use only.