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WIPF1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP53378

Product Information

Application	WB
Primary Accession	O43516
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51258

Additional Information

Gene ID	7456
Other Names	WAS/WASL-interacting protein family member 1, Protein PRPL-2, Wiskott-Aldrich syndrome protein-interacting protein, WASP-interacting protein, WIPF1, WASPIP, WIP
Dilution	WB~~ 1:1000
Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	WIPF1
Synonyms	WASPIP, WIP
Function	Plays a role in the reorganization of the actin cytoskeleton. 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. Plays a role in the formation of cell ruffles (By similarity). Plays an important role in the intracellular motility of vaccinia virus by functioning as an adapter for recruiting WASL to vaccinia virus.
Cellular Location	Cytoplasmic vesicle. Cytoplasm, cytoskeleton. Cell projection, ruffle. Note=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 Location	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.

Background

Plays a role in the reorganization of the actin cytoskeleton. 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. Plays a role in the formation of cell ruffles (By similarity). Plays an important role in the intracellular motility of vaccinia virus by functioning as an adapter for recruiting WASL to vaccinia virus.

References

Ramesh N.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:14671-14676(1997).
Kreideweiss S.,et al.Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Hillier L.W.,et al.Nature 434:724-731(2005).
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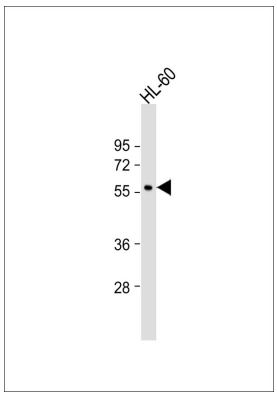
Images



Anti-WIPF1 Antibody at 1:1000 dilution + HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.