

Anti-WIPF1 Antibody

Catalog # AP53378

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O43516
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51258

Additional Information

Gene ID	7456
Other Names	WASPIP; WIP; WAS/WASL-interacting protein family member 1; Protein PRPL-2; Wiskott-Aldrich syndrome protein-interacting protein; WASP-interacting protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human WIPF1. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
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)

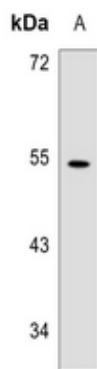
Tissue Location

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.

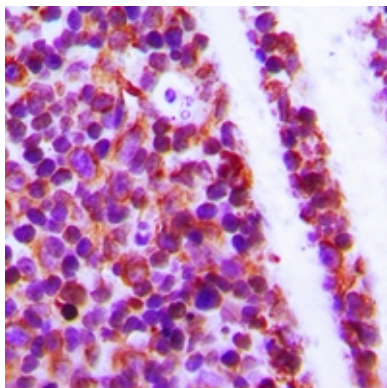
References

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).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

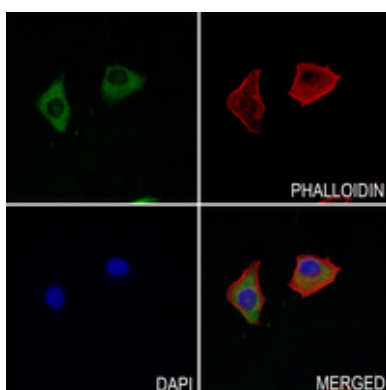
Images



Western blot analysis of WIPF1 expression in HL60 (A) whole cell lysates. (Predicted band size: 51 kD; Observed band size: 51 kD)



Immunohistochemical analysis of WIPF1 staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of WIPF1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.