

WIP Polyclonal Antibody

Catalog No: YT4905

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: WIP

Fields: >>Endocytosis;>>Pathogenic Escherichia coli infection;>>Yersinia infection

Gene Name: WIPF1

Protein Name: WAS/WASL-interacting protein family member 1

O43516

Q8K1I7

Human Gene Id: 7456

Human Swiss Prot

No:

Mouse Gene ld: 215280

Mouse Swiss Prot

No:

Rat Gene Id: 117538

Rat Swiss Prot No: Q6IN36

Immunogen: The antiserum was produced against synthesized peptide derived from human

WIPF1. AA range:421-470

Specificity: WIP Polyclonal Antibody detects endogenous levels of WIP protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

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Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 52kD

Location:

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],

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

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

favor of filopodia formation (By similarity). Plays an important role in the

with WASL, no longer a

Subcellular 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).

Expression: Highly expressed in peripheral blood mononuclear cells, spleen, placenta, small

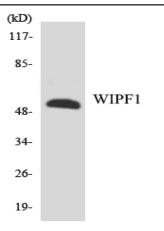
intestine, colon and thymus. Lower expression in ovary, heart, brain, lung, liver,

skeletal muscle, kidney, pancreas, prostate and testis.

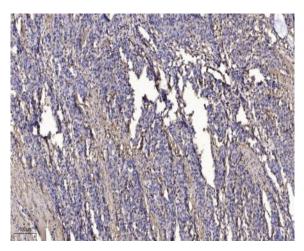
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No4: 1

Products Images



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



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).