10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

WIPF2 Rabbit pAb

Catalog # AP99149

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8TF74
Other Accession	Q8TF74
Reactivity	Rat, Human
Predicted	Pig, Mouse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46289
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human WIPF2
Epitope Specificity	31-130/440
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the verprolin family. Contains 1 WH2 domain.
SUBUNIT	Interacts with WASL and WASP, and this interaction results in cytoplasmic relocation of these two proteins along actin filaments. Interacts with NCK2 resulting in the localization to sites of focal adhesions. No interaction was seen with WASF2 and WASF3.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	WIRE, also known as WIPF2 (WAS/WASL interacting protein family, member 2) or WICH, is a 440 amino acid protein that localizes to both the cytoplasm and the cytoskeleton and contains one WH2 domain. Expressed ubiquitously with highest expression in colon, brain, lung and stomach, WIRE functions as an N-WASP-interacting protein that plays an important role in the organization and mobilization of the Actin cytoskeleton. Additionally, WIRE is involved in the formation of cell surface protrusions and may also provide a link between the cytoskeletal machinery and PDGF-B receptors. Multiple alternatively spliced isoforms of WIRE exist and are encoded by a gene that maps to human chromosome 17.

Additional Information

Gene ID	147179
Other Names	WICH; WIRE; WIPF2_HUMAN; WIPF2; WASP-interacting protein-related protein; WIP- and CR16-homologous protein; WIP-related protein; WAS/WASL interacting protein family member 2; WAS/WASL interacting protein family, member 2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	WIPF2
Synonyms	WICH, WIRE
Function	Plays an active role in the formation of cell surface protrusions downstream of activated PDGFB receptors. Plays an important role in actin-microspike formation through cooperation with WASL. May cooperate with WASP and WASL to induce mobilization and reorganization of the actin filament system.
Cellular Location	Cytoplasm, cytoskeleton Note=Localized to stress fibers and bundles of actin filaments
Tissue Location	Expressed mainly in brain, colon, lung and stomach (at protein level). Ubiquitously expressed, with high expression in brain, kidney, lung, and placenta.

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