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WIPF2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10977b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q8TF74
Other Accession	NP_573571.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24689
Calculated MW	46289
Antigen Region	392-419

Additional Information

Gene ID	147179
Other Names	WAS/WASL-interacting protein family member 2, WASP-interacting protein-related protein, WIP- and CR16-homologous protein, WIP-related protein, WIPF2, WICH, WIRE
Target/Specificity	This WIPF2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 392-419 amino acids from the C-terminal region of human WIPF2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	WIPF2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

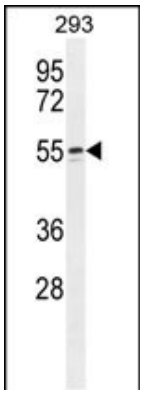
Background

This gene encodes a WASP interacting protein (WIP)-related protein. It has been shown that this protein has a role in the WASP-mediated organization of the actin cytoskeleton and that this protein is a potential link between the activated platelet-derived growth factor receptor and the actin polymerization machinery.

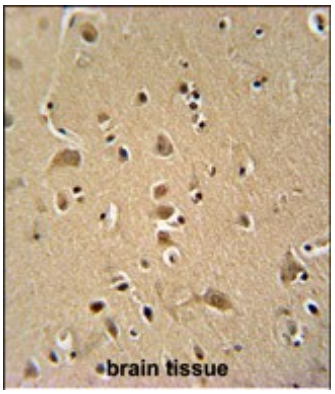
References

Wan, D., et al. Proc. Natl. Acad. Sci. U.S.A. 101(44):15724-15729(2004)
Salazar, M.A., et al. J. Biol. Chem. 278(49):49031-49043(2003)
Aspenstrom, P. Exp. Cell Res. 279(1):21-33(2002)
Kato, M., et al. Biochem. Biophys. Res. Commun. 291(1):41-47(2002)

Images



WIPF2 Antibody (C-term) (Cat. #AP10977b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the WIPF2 antibody detected the WIPF2 protein (arrow).



WIPF2 antibody (C-term) (Cat. #AP10977b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the WIPF2 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.