WIPF2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	WIPF2, Polyclonal Antibody
Full Product Name	WIPF2, CT (WIPF2, WICH, WIRE, WAS/WASL-interacting protein family member 2, WASP-interacting protein-related protein, WIP-and CR16-homologous protein, WIP-related protein) (MaxLight 550)
Product Gene Name	anti-WIPF2 antibody
Product Synonym Names	WIPF2; WICH; WIRE; WAS/WASL-interacting protein family member 2; WASP-interacting protein-related protein; WIP-and CR16-homologous protein; WIP-related protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	46,289 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (38375556..38438944). Location: 17q21.2
OMIM	609692
3D Structure	ModBase 3D Structure for Q8TF74
Immunogen	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.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-WIPF2 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-WIPF2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-WIPF2 antibody	IHC: 1:50-100 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-WIPF2 antibody	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.
Product References and Citations for anti-WIPF2 antibody	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).

Other Notes	Small volumes of anti-WIPF2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for WIPF2 purchase	MBS6363628 is an antibody targeting WIPF2. Also known as WIPF2, CT (WIPF2, WICH, WIRE, WAS/WASL-interacting protein family member 2, WASP-interacting protein-related protein, WIP-and CR16-homologous protein, WIP-related protein) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WIPF2. It may not necessarily be applicable to this product.

NCBI GI #	18959210
NCBI GeneID	147179
NCBI Accession #	NP_573571.1
UniProt Primary Accession #	Q8TF74
UniProt Secondary Accession #	Q658J8; Q71RE1; Q8TE44; A8K0L3
UniProt Related Accession #	Q8TF74
GenBank Nucleotide #	NM_133264.4
NCBI Official Full Name	WAS/WASL-interacting protein family member 2
NCBI Official Synonym Full Names	WAS/WASL interacting protein family, member 2
NCBI Official Symbol	WIPF2
NCBI Official Synonym Symbols	WICH; WIRE
UniProt Protein Name	WAS/WASL-interacting protein family member 2
UniProt Synonym Protein Names	WASP-interacting protein-related protein; WIP- and CR16-homologous protein; WIP-related protein
Protein Family	WAS/WASL-interacting protein family
UniProt Gene Name	WIPF2
UniProt Synonym Gene Names	WICH; WIRE
UniProt Entry Name	WIPF2_HUMAN
NCBI Protein Information	WAS/WASL-interacting protein family member 2; WIP-related protein; WASP-binding protein; WIP- and CR16-homologous protein; WASP-interacting protein-related protein
UniProt Comments for WIPF2	WIRE: 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. Belongs to the verprolin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 17q21.2 Cellular Component: cytoskeleton; cytosol Molecular Function: protein binding; actin binding Biological Process: innate immune response
Research Articles on WIPF2	**1.** Data indicate that the reduced vimentin expression in response to EPHB4, WIPF2 and MTHFD2 silencing was observed at mRNA and protein levels.

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