

FZD5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP14210b

Product Information

Application WB, E **Primary Accession** Q13467 **Other Accession** NP 003459.2 Reactivity Human Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB34120 **Calculated MW** 64507 472-500 **Antigen Region**

Additional Information

Gene ID 7855

Other Names Frizzled-5, Fz-5, hFz5, FzE5, FZD5, C2orf31

Target/Specificity This FZD5 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 472-500 amino acids from the

C-terminal region of human FZD5.

Dilution WB~~1:1000 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 FZD5 Antibody (C-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

Protein Information

Name FZD5

Synonyms C2orf31

Function Receptor for Wnt proteins (PubMed: 10097073, PubMed: 20530549,

PubMed: 26908622, PubMed: 9054360). Functions in the canonical Wnt/beta-

catenin signaling pathway. In vitro activates WNT2, WNT10B, WNT5A, but not WNT2B or WNT4 signaling (By similarity). In neurons, activation by WNT7A promotes formation of synapses (PubMed:20530549). May be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues (Probable). Plays a role in yolk sac angiogenesis and in placental vascularization (By similarity). Plays a role in ocular development (PubMed:26908622).

Cellular Location

Cell membrane; Multi-pass membrane protein

{ECO:0000250|UniProtKB:Q8CHL0}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9EQD0}; Multi-pass membrane protein

{ECO:0000250 | UniProtKB:Q9EQD0}. Synapse {ECO:0000250 | UniProtKB:Q8CHL0}. Perikaryon

{ECO:0000250 | UniProtKB:Q8CHL0}. Cell projection, dendrite {ECO:0000250 | UniProtKB:Q8CHL0}. Cell projection, axon

{ECO:0000250|UniProtKB:Q8CHL0}. Note=Localized at the plasma membrane and also found at the Golgi apparatus. {ECO:0000250|UniProtKB:Q9EQD0}

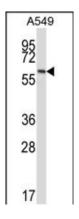
Background

Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD5 protein is believed to be the receptor for the Wnt5A ligand.

References

Moller, M., et al. BMC Infect. Dis. 10, 154 (2010): Yerges, L.M., et al. J. Bone Miner. Res. 24(12):2039-2049(2009) Terabayashi, T., et al. J. Biol. Chem. 284(39):26716-26724(2009) Kim, J.G., et al. J. Korean Med. Sci. 24(3):443-447(2009) Lin, Z., et al. J. Biol. Chem. 283(48):33053-33058(2008)

Images



FZD5 Antibody (C-term) (Cat. #AP14210b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the FZD5 antibody detected the FZD5 protein (arrow).

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