

FZD5 Antibody

Purified Mouse Monoclonal Antibody Catalog # AO1760a

Product Information

Application WB, FC, E **Primary Accession** Q13467 Reactivity Human Host Mouse Clonality Monoclonal **Clone Names** 2D12 Isotype IgG1 64507 **Calculated MW**

Description 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.

Immunogen Purified recombinant fragment of human FZD5 (AA:151-217) expressed in E.

Coli.

Formulation Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID 7855

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

Dilution WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000

Storage Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions FZD5 Antibody 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}

References

1.J Biol Chem. 2009 Sep 25;284(39):26716-24.2.Int J Oncol. 2007 Mar;30(3):751-5.

Images

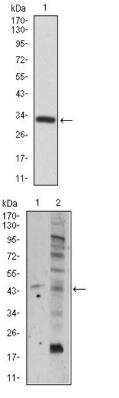


Figure 1: Western blot analysis using FZD5 mAb against human FZD5 recombinant protein. (Expected MW is 32.5 kDa)

Figure 2: Western blot analysis using FZD5 mouse mAb against A549 (1), and PC-3 (2) cell lysate.

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Figure 3: Flow cytometric analysis of HepG2 cells using FZD5 mouse mAb (green) and negative control (red).

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