

**FZD5 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1760a****Specification****FZD5 Antibody - Product Information**

Application	WB, FC, E
Primary Accession	<a href="#">Q13467</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	64.5kDa KDa

**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

**FZD5 Antibody - 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.

**FZD5 Antibody - Protein Information**

**Name** FZD5

**Synonyms** C2orf31

## Function

Receptor for Wnt proteins (PubMed:<a href="http://www.uniprot.org/citations/10097073" target="\_blank">10097073</a>, PubMed:<a href="http://www.uniprot.org/citations/20530549" target="\_blank">20530549</a>, PubMed:<a href="http://www.uniprot.org/citations/26908622" target="\_blank">26908622</a>, PubMed:<a href="http://www.uniprot.org/citations/9054360" target="\_blank">9054360</a>). 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:<a href="http://www.uniprot.org/citations/20530549" target="\_blank">20530549</a>). 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:<a href="http://www.uniprot.org/citations/26908622" target="\_blank">26908622</a>).

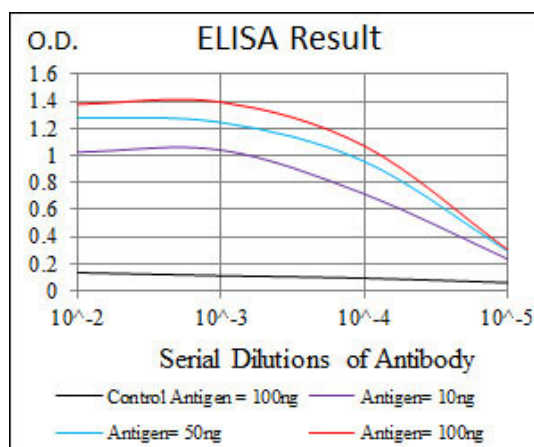
## Cellular Location

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}

## FZD5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



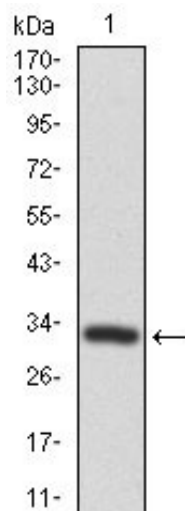


Figure 1: Western blot analysis using FZD5 mAb against human FZD5 recombinant protein. (Expected MW is 32.5 kDa)

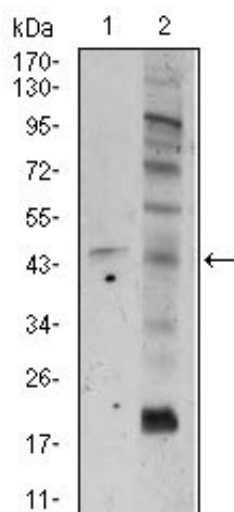


Figure 2: Western blot analysis using FZD5 mouse mAb against A549 (1), and PC-3 (2) cell lysate.

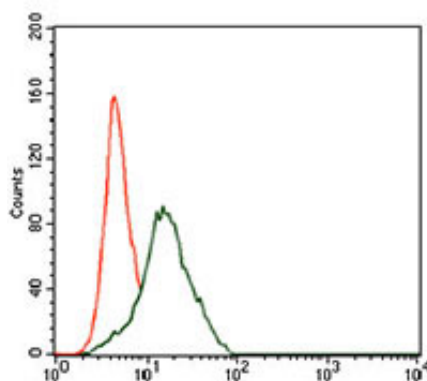


Figure 3: Flow cytometric analysis of HepG2 cells using FZD5 mouse mAb (green) and negative control (red).

## FZD5 Antibody - References

1. J Biol Chem. 2009 Sep 25;284(39):26716-24. 2. Int J Oncol. 2007 Mar;30(3):751-5.