

**Anti-Frizzled 5 Antibody**  
**Catalog # AP54084****Specification**

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**Anti-Frizzled 5 Antibody - Product Information**

Application	WB, IF
Primary Accession	<a href="#">Q13467</a>
Other Accession	<a href="#">Q9H461</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64507

**Anti-Frizzled 5 Antibody - Additional Information****Gene ID** 7855**Other Names**

FZD5; C2orf31; Frizzled-5; Fz-5; hFz5; FzE5; FZD8; Frizzled-8; Fz-8; hFz8

**Target/Specificity**

Recognizes endogenous levels of Frizzled 5 protein.

**Dilution**

WB~~1/500 - 1/1000

IF~~1/50 - 1/200

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-Frizzled 5 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

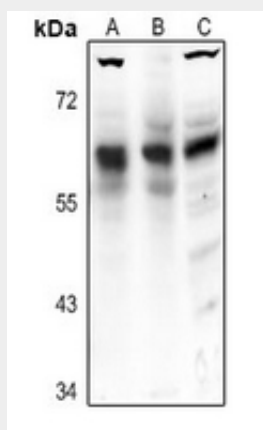
Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q8CHL0}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9EQD0}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9EQD0}. Synapse {ECO:0000250|UniProtKB:Q8CHL0}. Perikaryon {ECO:0000250|UniProtKB:Q8CHL0}. Cell projection, dendrite {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}

#### Anti-Frizzled 5 Antibody - Protocols

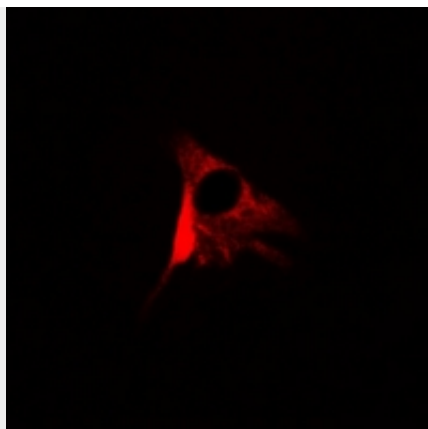
Provided below are standard protocols that you may find useful for product applications.

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

#### Anti-Frizzled 5 Antibody - Images



Western blot analysis of Frizzled 5 expression in SGC7901 (A), PC3 (B), MEF (C) whole cell lysates.



Immunofluorescent analysis of Frizzled 5 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

#### **Anti-Frizzled 5 Antibody - Background**

Rabbit polyclonal antibody to Frizzled 5