

**Anti-FZD5 / Frizzled 5 Antibody (aa31-80)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18084****Specification**

---

**Anti-FZD5 / Frizzled 5 Antibody (aa31-80) - Product Information**

Application	IHC-P, IF, E
Primary Accession	<a href="#">Q13467</a>
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	64507

**Anti-FZD5 / Frizzled 5 Antibody (aa31-80) - Additional Information****Gene ID 7855**Alias Symbol **FZD5****Other Names**

FZD5, C2orf31, DKFZP434E2135, Frizzled family receptor 5, Fz5, Fzd-5, FzE5, Frizzled 5, Frizzled-5, Wnt receptor, Fz-5, HFZ5

**Target/Specificity**

FZD5 Antibody detects endogenous levels of total FZD5 protein.

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

Anti-FZD5 / Frizzled 5 Antibody (aa31-80) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-FZD5 / Frizzled 5 Antibody (aa31-80) - Protein Information****Name FZD5****Synonyms C2orf31****Function**

Receptor for Wnt proteins (PubMed: [9054360](http://www.uniprot.org/citations/9054360), PubMed: [10097073](http://www.uniprot.org/citations/10097073), PubMed: [20530549](http://www.uniprot.org/citations/20530549)). Can activate WNT2, WNT10B, WNT5A, but not WNT2B or WNT4 (in vitro); the in vivo situation may be different since not all of these are known to be coexpressed (By similarity). In neurons, activation of WNT7A promotes formation of synapses (PubMed: [20530549](http://www.uniprot.org/citations/20530549)). Functions in the canonical Wnt/beta-catenin signaling pathway. The canonical Wnt/beta-catenin signaling

pathway leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes (By similarity). A second signaling pathway involving PKC and calcium fluxes has been seen for some family members, but it is not yet clear if it represents a distinct pathway or if it can be integrated in the canonical pathway, as PKC seems to be required for Wnt-mediated inactivation of GSK-3 kinase. Both pathways seem to involve interactions with G-proteins. 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).

#### **Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:Q8CHL0}; 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. {ECO:0000250|UniProtKB:Q9EQD0}

#### **Anti-FZD5 / Frizzled 5 Antibody (aa31-80) - 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-FZD5 / Frizzled 5 Antibody (aa31-80) - Images**