

**FZD8 / Frizzled 8 Antibody (N-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10782****Specification**

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**FZD8 / Frizzled 8 Antibody (N-Terminus) - Product Information**

Application	IHC
Primary Accession	<a href="#">O9H461</a>
Reactivity	Human, Mouse, Monkey, Horse, Xenopus, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73kDa KDa

**FZD8 / Frizzled 8 Antibody (N-Terminus) - Additional Information****Gene ID** 8325**Other Names**

Frizzled-8, Fz-8, hFz8, FZD8

**Target/Specificity**

Human FZD8 / Frizzled 8. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

FZD8 / Frizzled 8 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**FZD8 / Frizzled 8 Antibody (N-Terminus) - Protein Information****Name** FZD8**Function**

Receptor for Wnt proteins. Component of the Wnt-Fzd-LRP5-LRP6 complex that triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalosomes. The beta-catenin canonical 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. 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. Coreceptor along with RYK of Wnt proteins, such as WNT1.

### Cellular Location

Membrane; Multi-pass membrane protein. Golgi apparatus. Cell membrane; Multi-pass membrane protein. Note=Colocalizes with GOPC at the Golgi apparatus.

### Tissue Location

Most abundant in fetal kidney, followed by brain and lung. In adult tissues, expressed in kidney, heart, pancreas and skeletal muscle

### Volume

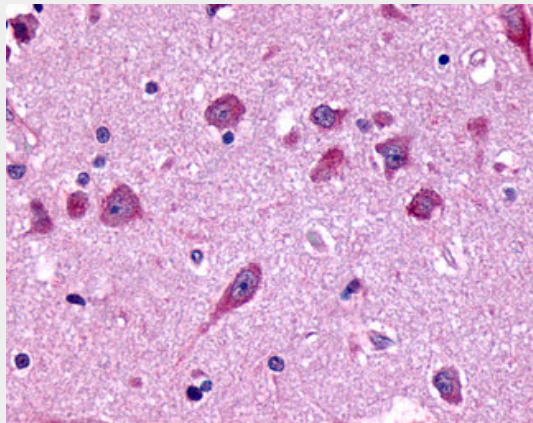
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## FZD8 / Frizzled 8 Antibody (N-Terminus) - Protocols

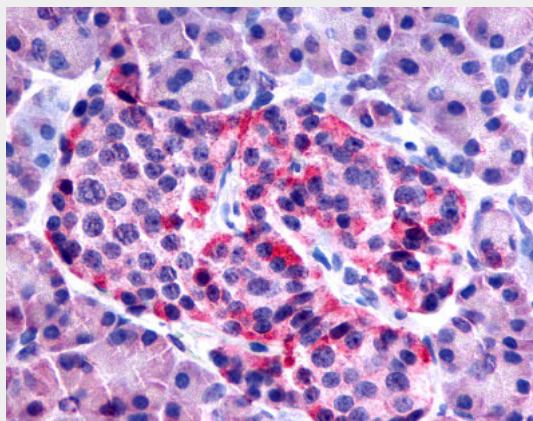
Provided below are standard protocols that you may find useful for product applications.

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

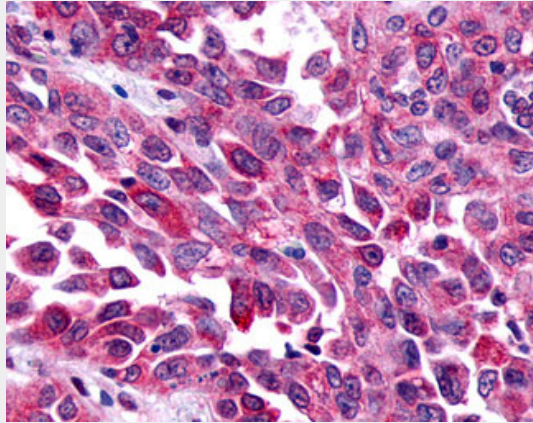
## FZD8 / Frizzled 8 Antibody (N-Terminus) - Images



Anti-FZD8 / Frizzled 8 antibody IHC of human brain, amygdala.



Anti-FZD8 / Frizzled 8 antibody ALS10782 IHC of human pancreas, islet of Langerhans.



Anti-FZD8 / Frizzled 8 antibody IHC of human Lung, Non-Small Cell Carcinoma.

### **FZD8 / Frizzled 8 Antibody (N-Terminus) - Background**

Receptor for Wnt proteins. Component of the Wnt-Fzd- LRP5-LRP6 complex that triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalosomes. The beta-catenin canonical 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. 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. Coreceptor along with RYK of Wnt proteins, such as WNT1.

### **FZD8 / Frizzled 8 Antibody (N-Terminus) - References**

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- Deloukas P.,et al.Nature 429:375-381(2004).
- Semenov M.V.,et al.Curr. Biol. 11:951-961(2001).
- Li X.,et al.Protein Sci. 15:2149-2158(2006).
- Hao H.X.,et al.Nature 485:195-200(2012).