

**Frizzled-1 Polyclonal Antibody**  
**Catalog # AP69956****Specification****Frizzled-1 Polyclonal Antibody - Product Information**

Application	WB, IF
Primary Accession	<a href="#">Q9UP38</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**Frizzled-1 Polyclonal Antibody - Additional Information****Gene ID** 8321**Other Names**

FZD1; Frizzled-1; Fz-1; hFz1; FzE1

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.

IF~~1:50~200

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**Frizzled-1 Polyclonal Antibody - Protein Information****Name** FZD1**Function**

Receptor for Wnt proteins (PubMed:<a href="http://www.uniprot.org/citations/10557084" target="\_blank">10557084</a>). Activated by WNT3A, WNT3, WNT1 and to a lesser extent WNT2, but apparently not by WNT4, WNT5A, WNT5B, WNT6, WNT7A or WNT7B (PubMed:<a href="http://www.uniprot.org/citations/10557084" target="\_blank">10557084</a>). Contradictory results showing activation by WNT7B have been described for mouse (By similarity). Functions in the canonical Wnt/beta-catenin signaling pathway (PubMed:<a href="http://www.uniprot.org/citations/10557084" target="\_blank">10557084</a>). 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 (PubMed:<a href="http://www.uniprot.org/citations/10557084" target="\_blank">10557084</a>). 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).

**Cellular Location**

Cell membrane; Multi-pass membrane protein

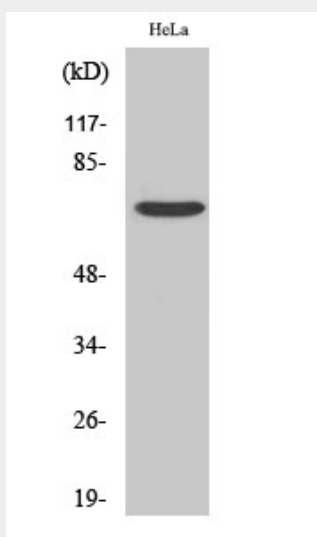
**Tissue Location**

Expressed in adult heart, placenta, lung, kidney, pancreas, prostate, and ovary and in fetal lung and kidney

**Frizzled-1 Polyclonal 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](#)

**Frizzled-1 Polyclonal Antibody - Images****Frizzled-1 Polyclonal Antibody - Background**

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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).