

Frizzled-1 Polyclonal Antibody

Catalog # AP69956

Specification

Frizzled-1 Polyclonal Antibody - Product Information

Application	WB, IF
Primary Accession	Q9UP38
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:[10557084](http://www.uniprot.org/citations/10557084)). Activated by WNT3A, WNT3, WNT1 and to a lesser extent WNT2, but apparently not by WNT4, WNT5A, WNT5B, WNT6, WNT7A or WNT7B (PubMed:[10557084](http://www.uniprot.org/citations/10557084)). Contradictory results showing activation by WNT7B have been described for mouse (By similarity). Functions in the canonical Wnt/beta-catenin signaling pathway (PubMed:[10557084](http://www.uniprot.org/citations/10557084)). 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:[10557084](http://www.uniprot.org/citations/10557084)). 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

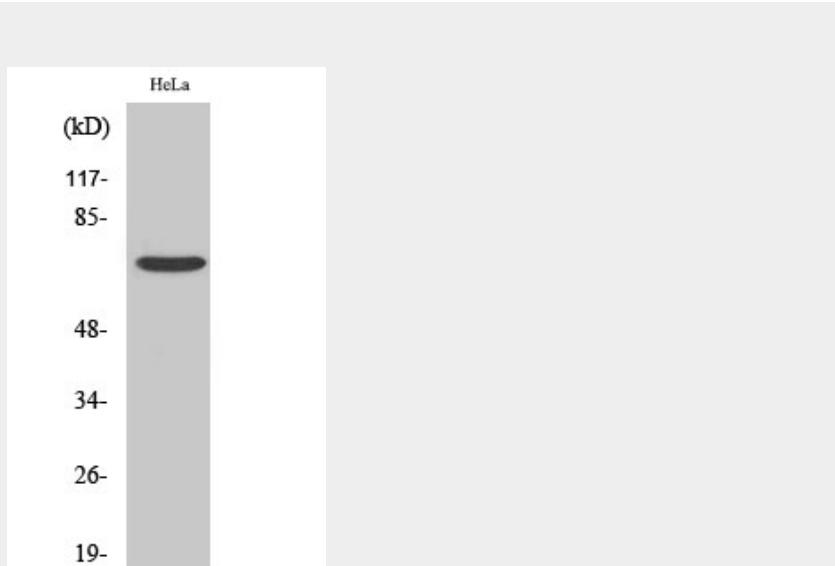
Tissue Location

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

Western Blot analysis of various cells using Frizzled-1 Polyclonal Antibody

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).