

**Frizzled-9 Polyclonal Antibody**  
**Catalog # AP69972****Specification**

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**Frizzled-9 Polyclonal Antibody - Product Information**

Application	WB, IF
Primary Accession	<a href="#">O00144</a>
Reactivity	Human, Mouse, Monkey
Host	Rabbit
Clonality	Polyclonal

**Frizzled-9 Polyclonal Antibody - Additional Information****Gene ID** 8326**Other Names**

FZD9; FZD3; Frizzled-9; Fz-9; hFz9; FzE6; CD antigen CD349

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. 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-9 Polyclonal Antibody - Protein Information****Name** FZD9**Synonyms** FZD3**Function**

Receptor for WNT2 that is coupled to the beta-catenin canonical signaling pathway, which 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). Plays a role in neuromuscular junction (NMJ) assembly by negatively regulating the clustering of acetylcholine receptors (AChR) through the beta-catenin canonical signaling pathway (By similarity). May play a role in neural progenitor cells (NPCs) viability through the beta- catenin canonical signaling pathway by negatively regulating cell cycle arrest leading to inhibition of neuron apoptotic process (PubMed:<a href="http://www.uniprot.org/citations/27509850" target="\_blank">27509850</a>). During hippocampal development, regulates neuroblast proliferation and apoptotic cell death. Controls bone formation through non canonical Wnt signaling mediated via ISG15. Positively regulates bone regeneration through non canonical Wnt signaling (By similarity).

**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:Q9R216}; Multi-pass membrane protein.

Note=Relocalizes DVL1 to the cell membrane leading to phosphorylation of DVL1 and AXIN1 relocalization to the cell membrane. {ECO:0000250|UniProtKB:Q8K4C8}

**Tissue Location**

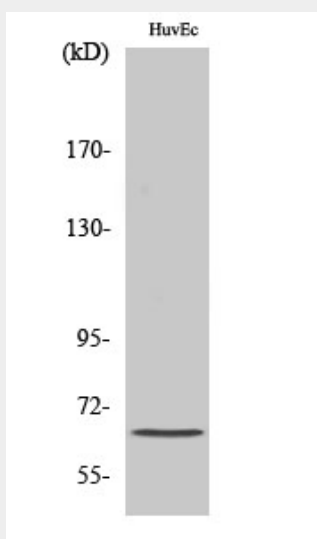
Expressed predominantly in adult and fetal brain, testis, eye, skeletal muscle and kidney.

Moderately expressed in pancreas, thyroid, adrenal cortex, small intestine and stomach Detected in fetal liver and kidney. Expressed in neural progenitor cells (PubMed:27509850).

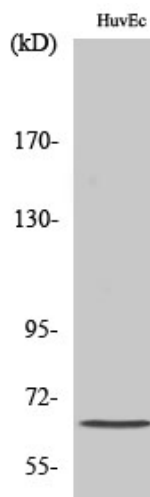
**Frizzled-9 Polyclonal Antibody - Protocols**

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-9 Polyclonal Antibody - Images**

Western Blot analysis of various cells using Frizzled-9 Polyclonal Antibody



Western Blot analysis of various cells using Frizzled-9 Polyclonal Antibody

#### **Frizzled-9 Polyclonal Antibody - Background**

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