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Frizzled 5 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51219

Specification

Frizzled 5 Antibody - Product Information

Application	**WB, IHC-P, E**
Primary Accession	Q13467
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**65 KDa**

Frizzled 5 Antibody - Additional Information

Gene ID 7855

Other Names
Frizzled-5, Fz-5, hFz5, FzE5, FZD5, C2orf31

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Frizzled 5. The exact sequence is proprietary.

Dilution
WB~~1:1000
IHC-P~~N/A
E~~N/A

Format
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Frizzled 5 Antibody - Protein Information

Name FZD5

Synonyms C2orf31

Function
Receptor for Wnt proteins (PubMed:10097073, PubMed:20530549, PubMed:26908622, PubMed:9054360). Functions in the canonical Wnt/beta- catenin signaling pathway. In vitro activates WNT2, WNT10B, WNT5A, but not WNT2B or WNT4 signaling (By similarity). In

neurons, activation by WNT7A promotes formation of synapses (PubMed:20530549). 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). Plays a role in ocular development (PubMed:26908622).

Cellular Location
Cell membrane; 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 apparatus. {ECO:0000250|UniProtKB:Q9EQD0}

Frizzled 5 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 Cytomety
- Cell Culture

Frizzled 5 Antibody - Images

Frizzled 5 Antibody - Background

Receptor for Wnt proteins. Most of frizzled receptors are 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. 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. Interacts specifically with Wnt5A to induce the beta- catenin pathway.

Frizzled 5 Antibody - References

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Saitoh T.,et al.Int. J. Oncol. 19:105-110(2001).
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