

Frizzled 8 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51221**Specification**

Frizzled 8 Antibody - Product Information

Application	WB, ICC, IHC-P, E
Primary Accession	Q9H461
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73 KDa

Frizzled 8 Antibody - Additional Information**Gene ID** 8325**Other Names**

Frizzled-8, Fz-8, hFz8, FZD8

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 8 Antibody - 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

Frizzled 8 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 8 Antibody - Images

Frizzled 8 Antibody - Background

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Frizzled 8 Antibody - References

Saitoh T.,et al.Int. J. Oncol. 18:991-996(2001).
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).