10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Frizzled 8 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51221

Product Information

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

Additional Information

Other Names	Frizzled-8, Fz-8, hFz8, FZD8
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Frizzled 8. The exact sequence is proprietary.
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~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

Protein Information

Background

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.

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.