Product Name: Frizzled-5/8 Rabbit Polyclonal Antibody
Catalog #: APRab11146
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
Molecular Weight	75kDa

Antigen Information

Gene Name	FZD5/FZD8
Alternative Names	FZD5; C2orf31; Frizzled-5; Fz-5; hFz5; FzE5; FZD8; Frizzled-8; Fz-8; hFz8
Gene ID	8325/7855
SwissProt ID	Q13467/Q9H461
Immunogen	The antiserum was produced against synthesized peptide derived from human FZD8. AA range:31-80

Background

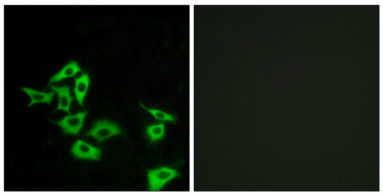
frizzled class receptor 5(FZD5) Homo sapiens Members of the 'frizzled' gene family encode 7-transmembrane domain

proteins that are receptors for Wnt signaling proteins. The FZD5 protein is believed to be the receptor for the Wnt5A ligand. [provided by RefSeq, Jul 2008],domain:Lys-Thr-X-X-X-Trp motif is involved in the activation of the Wnt/beta-catenin signaling pathway.,domain:The FZ domain is involved in binding with Wnt ligands.,domain:The PDZ-binding motif mediates interaction with GOPC.,function: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.,similarity:Belongs to the G-protein coupled receptor Fz/Smo family.,similarity:Contains 1 FZ (frizzled) domain.,subcellular location:Localized at the plasma membrane and also found at the Golgi.,subunit:Interacts with GOPC.,

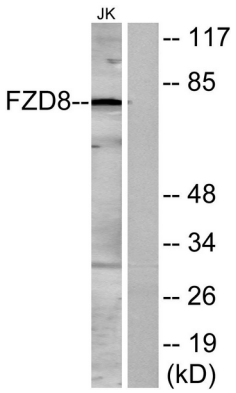
Research Area

WNT;WNT-T CELLMelanogenesis;Pathways in cancer;Colorectal cancer;Basal cell carcinoma;

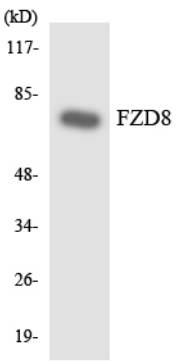
Image Data



Immunofluorescence analysis of A549 cells, using FZD8 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using FZD8 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVECcells using FZD8 antibody.