

Frizzled-8 Polyclonal Antibody

Catalog No: YT1787

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: Frizzled-8

Fields: >>mTOR signaling pathway;>>Wnt signaling pathway;>>Hippo signaling

pathway;>>Signaling pathways regulating pluripotency of stem

cells;>>Melanogenesis;>>Cushing syndrome;>>Alzheimer disease;>>Pathways

of neurodegeneration - multiple diseases;>>Human papillomavirus infection;>>Pathways in cancer;>>Proteoglycans in cancer;>>Basal cell carcinoma;>>Breast cancer;>>Hepatocellular carcinoma;>>Gastric cancer

Gene Name: FZD8

Protein Name: Frizzled-8

Q9H461

Q61091

Human Gene Id: 8325

Human Swiss Prot

No:

Mouse Gene Id: 14370

Mouse Swiss Prot

No:

Rat Gene Id: 1.0091e+008

Rat Swiss Prot No: Q498S8

Immunogen: The antiserum was produced against synthesized peptide derived from human

FZD8. AA range:486-535

Specificity: Frizzled-8 Polyclonal Antibody detects endogenous levels of Frizzled-8 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.



Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 70kD

Cell Pathway: WNT;WNT-T CELLMelanogenesis;Pathways in cancer;Colorectal cancer;Basal

cell carcinoma;

Background: frizzled class receptor 8(FZD8) Homo sapiens This intronless gene is a member

of the frizzled gene family. Members of this family encode seven-transmembrane domain proteins that are receptors for the Wingless type MMTV integration site family of signaling proteins. Most frizzled receptors are coupled to the betacatenin canonical signaling pathway. This gene is highly expressed in two human cancer cell lines, indicating that it may play a role in several types of cancer. The crystal structure of the extracellular cysteine-rich domain of a similar mouse

protein has been determined. [provided by RefSeq, Jul 2008],

Function: 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 intercellul

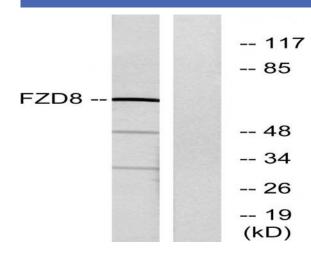
Subcellular Location : Membrane; Multi-pass membrane protein. Golgi apparatus. Cell membrane; Multi-pass membrane protein. Colocalizes with GOPC at the Golgi apparatus.

Expression: Most abundant in fetal kidney, followed by brain and lung. In adult tissues,

expressed in kidney, heart, pancreas and skeletal muscle.



Products Images



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