

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
Human Gene Id :	8325
Human Swiss Prot No :	Q9H461
Mouse Gene Id :	14370
Mouse Swiss Prot No :	Q61091
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 beta-catenin 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.

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