



Frizzled-1 Monoclonal Antibody

Catalog No	YP-mAb-13253
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	FZD1
Immunogen	The antiserum was produced against synthesized peptide derived from human FZD1. AA range:15-64
Specificity	Frizzled-1 Monoclonal Antibody detects endogenous levels of Frizzled-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Frizzled-1;FZD1;Fz-1;hFz1;FzE1
Observed Band	71kD
Calculated Molecular Weight	71kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed in adult heart, placenta, lung, kidney, pancreas, prostate, and ovary and in fetal lung and kidney.
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.,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 morphog

Background

frizzled class receptor 1(FZD1) Homo sapiens Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD1 protein contains a signal peptide, a cysteine-rich domain in the N-terminal extracellular region, 7 transmembrane domains, and a C-terminal PDZ domain-binding motif. The FZD1 transcript is expressed in various tissues. [provided by RefSeq, Jul 2008],

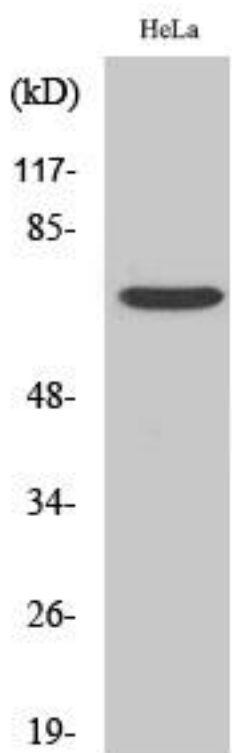
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Frizzled-1 Monoclonal Antibody