



# Frizzled-1 Monoclonal Antibody

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

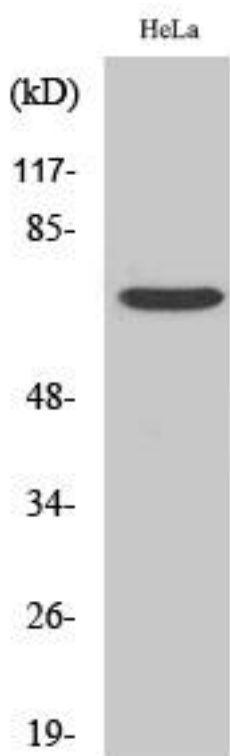
**matters needing attention**

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