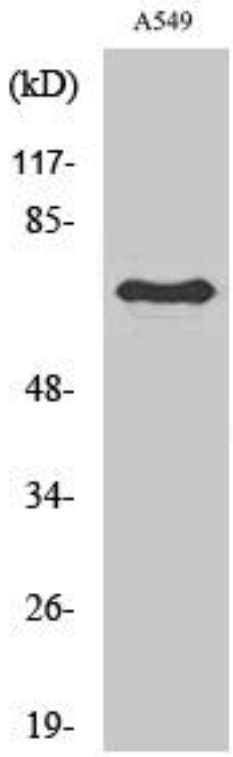
Frizzled-3 Monoclonal Antibody

Catalog No	YP-mAb-13256
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	FZD3
Protein Name	Frizzled-3
Immunogen	The antiserum was produced against synthesized peptide derived from human FZD3. AA range:141-190
Specificity	Frizzled-3 Monoclonal Antibody detects endogenous levels of Frizzled-3 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	FZD3; Frizzled-3; Fz-3; hFz3
Observed Band	76kD
Cell Pathway	Membrane; Multi-pass membrane protein. Cell membrane ; Multi-pass membrane protein . Cell surface . Apical cell membrane ; Multi-pass membrane protein. Colocalizes with FZD6 at the apical face of the cell (By similarity). .
Tissue Specificity	Widely expressed. Relatively high expression in the CNS, including regions of the limbic system, in kidney, pancreas, skeletal muscle, uterus and testis.
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 3(FZD3) Homo sapiens This 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. The function of this protein is unknown, although it may play a role in mammalian hair follicle development. Alternative splicing results in multiple transcript variants. This gene is a susceptibility locus for schizophrenia. [provided by RefSeq, Dec 2010],
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-3 Monoclonal Antibody