



Frizzled-10 Polyclonal Antibody

Catalog No	YP-Ab-13254
Isotype	IgG
Reactivity	Human;Mouse;Monkey
Applications	WB;IHC;IF;ELISA
Gene Name	FZD10
Immunogen	The antiserum was produced against synthesized peptide derived from human FZD10. AA range:135-184
Specificity	Frizzled-10 Polyclonal Antibody detects endogenous levels of Frizzled-10 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FZD10;FzE7;Fz-10;FZ 10;Frizzled-10;hFz10;CD antigen CD350
Observed Band	60kD
Calculated Molecular Weight	60kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Highest levels in the placenta and fetal kidney, followed by fetal lung and brain. In adult brain, abundantly expressed in the cerebellum, followed by cerebral cortex, medulla and spinal cord; very low levels in total brain, frontal lobe, temporal lobe and putamen. Weak expression detected in adult brain, heart, lung, skeletal muscle, pancreas, spleen and prostate.
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

This gene is a member of the frizzled gene family. Members of this family encode 7-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. Using array analysis, expression of this intronless gene is significantly up-regulated in two cases of primary colon cancer. [provided by RefSeq, Jul 2008],

matters needing attention

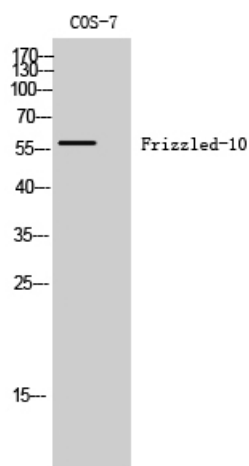
Avoid repeated freezing and thawing!

Usage suggestions

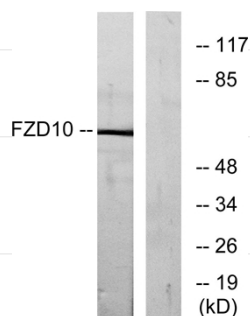
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



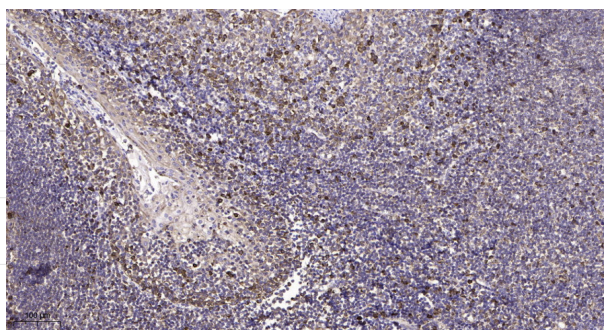
Products Images



Western Blot analysis of COS-7 cells using Frizzled-10 Polyclonal Antibody



Western blot analysis of lysates from COS7 cells, using FZD10 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).