

## Frizzled-5 Polyclonal Antibody

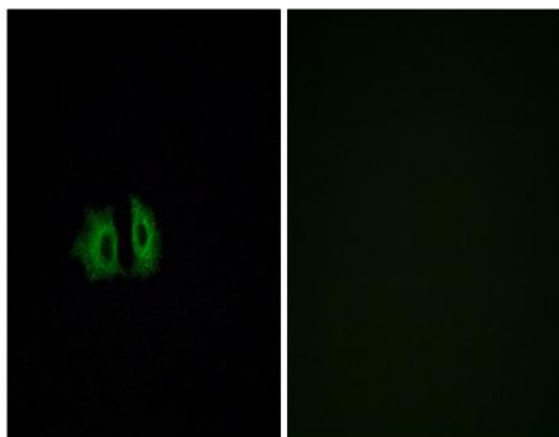
<b>Catalog No :</b>	YT1781
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Frizzled-5
<b>Fields :</b>	>>mTOR signaling pathway;>>Wnt signaling pathway;>>Hippo signaling pathway;>>Signaling pathways regulating pluripotency of stem cells;>>Melanogenesis;>>Cushing 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
<b>Gene Name :</b>	FZD5
<b>Protein Name :</b>	Frizzled-5
<b>Human Gene Id :</b>	7855
<b>Human Swiss Prot No :</b>	Q13467
<b>Mouse Gene Id :</b>	14367
<b>Mouse Swiss Prot No :</b>	Q9EQD0
<b>Rat Gene Id :</b>	317674
<b>Rat Swiss Prot No :</b>	Q8CHL0
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human FZD5. AA range:461-510
<b>Specificity :</b>	Frizzled-5 Polyclonal Antibody detects endogenous levels of Frizzled-5 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

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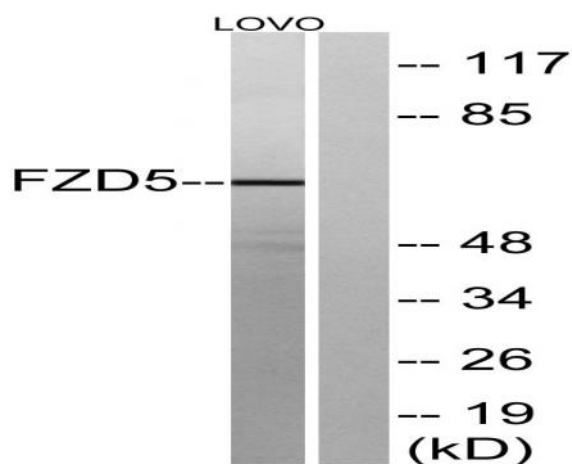
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	65kD
<b>Cell Pathway :</b>	WNT;WNT-T CELLMelanogenesis;Pathways in cancer;Colorectal cancer;Basal cell carcinoma;
<b>Background :</b>	frizzled class receptor 5(FZD5) Homo sapiens Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD5 protein is believed to be the receptor for the Wnt5A ligand. [provided by RefSeq, Jul 2008],
<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.,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
<b>Subcellular Location :</b>	Cell membrane ; Multi-pass membrane protein . Golgi apparatus membrane ; Multi-pass membrane protein . Cell junction, synapse . Perikaryon . Cell projection, dendrite . Cell projection, axon . Localized at the plasma membrane and also found at the Golgi. .
<b>Expression :</b>	Oesophageal carcinoma,Retina,

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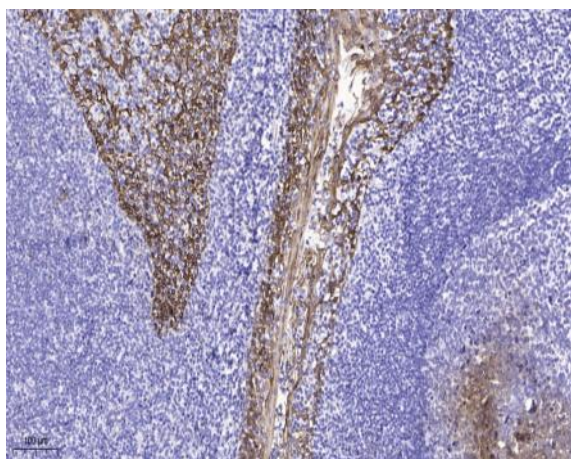
## Products Images



Immunofluorescence analysis of A549 cells, using FZD5 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from LOVO cells, using FZD5 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).