

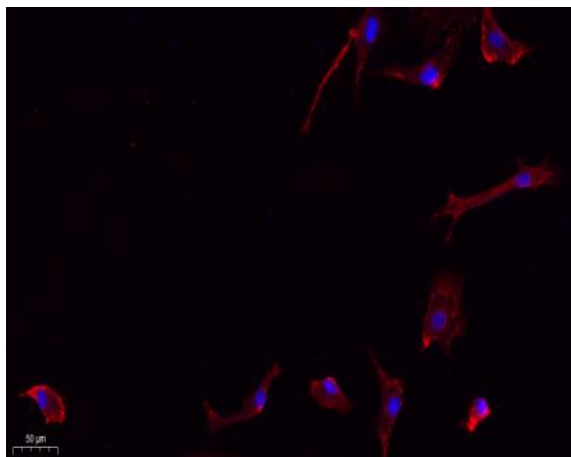
Frizzled-7 Polyclonal Antibody

Catalog No :	YT1786
Reactivity :	Human;Mouse
Applications :	WB;FCM;IF;ELISA
Target :	Frizzled-7
Fields :	>>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
Gene Name :	FZD7
Protein Name :	Frizzled-7
Human Gene Id :	8324
Human Swiss Prot No :	O75084
Mouse Gene Id :	14369
Mouse Swiss Prot No :	Q61090
Immunogen :	The antiserum was produced against synthesized peptide derived from human FZD7. AA range:45-94
Specificity :	Frizzled-7 Polyclonal Antibody detects endogenous levels of Frizzled-7 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;Flow Cyt 1:50-200;IF ICC 1:100-500;ELISA 1:5000-20000

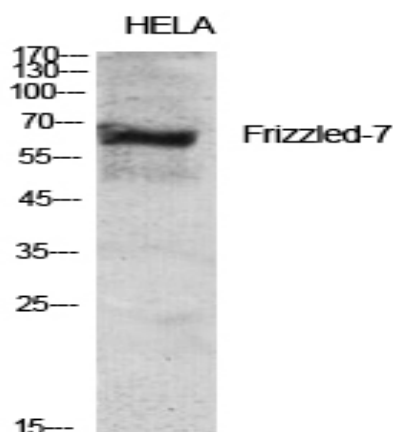
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	64kD
Cell Pathway :	WNT;WNT-T CELLMelanogenesis;Pathways in cancer;Colorectal cancer;Basal cell carcinoma;
Background :	frizzled class receptor 7(FZD7) Homo sapiens Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD7 protein contains an N-terminal signal sequence, 10 cysteine residues typical of the cysteine-rich extracellular domain of Fz family members, 7 putative transmembrane domains, and an intracellular C-terminal tail with a PDZ domain-binding motif. FZD7 gene expression may downregulate APC function and enhance beta-catenin-mediated signals in poorly differentiated human esophageal carcinomas. [provided by RefSeq, Jul 2008],
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
Subcellular Location :	Cell membrane ; Multi-pass membrane protein . Endosome membrane ; Multi-pass membrane protein . Associated to the plasma membrane in the presence of FZD7 and phosphatidylinositol 4,5-bisphosphate (PIP2). Localized in recycling endosomes in other conditions. .
Expression :	High expression in adult skeletal muscle and fetal kidney, followed by fetal lung, adult heart, brain, and placenta. Specifically expressed in squamous cell esophageal carcinomas.
Tag :	orthogonal
	390

№: ab64636**Host :** Rabbit**Modifications :** Unmodified

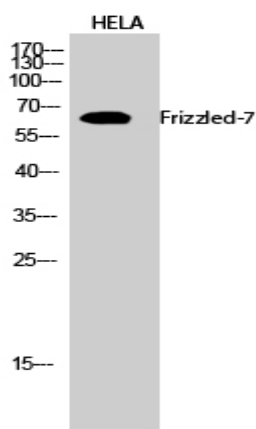
Products Images



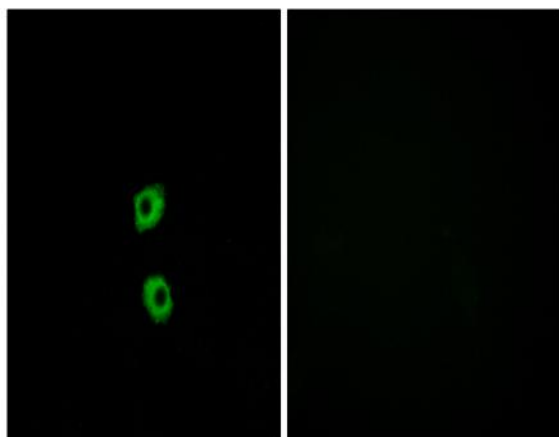
Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4 °C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



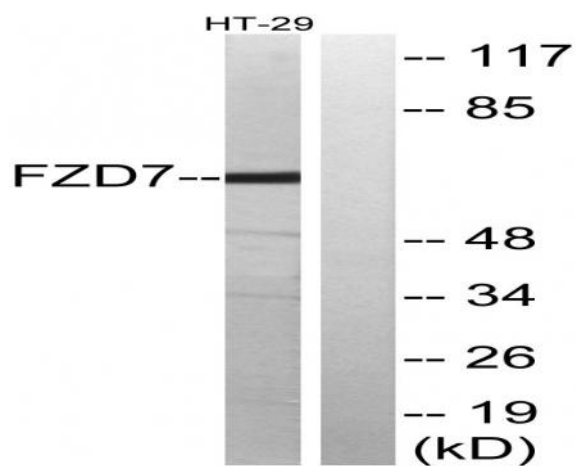
Western Blot analysis of various cells using Frizzled-7 Polyclonal Antibody diluted at 1:2000



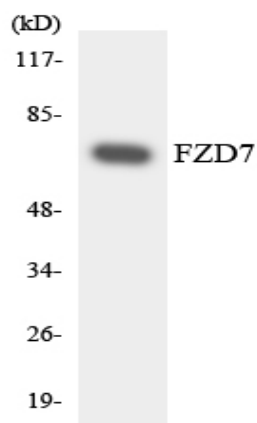
Western Blot analysis of HELA cells using Frizzled-7 Polyclonal Antibody diluted at 1:2000



Immunofluorescence analysis of MCF7 cells, using FZD7 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HT-29 cells, using FZD7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using FZD7 antibody.