

产品名称: Frizzled-7 Rabbit Polyclonal Antibody
产品货号: APRab11148



产品概述 (Summary)

产品名称 (Production Name)	Frizzled-7 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ICC/IF,ELISA,FC
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	FZD7
别名 (Alternative Names)	FZD7; Frizzled-7; Fz-7; hFz7; FzE3
基因 ID (Gene ID)	8324.0
蛋白 ID (SwissProt ID)	O75084.The antiserum was produced against synthesized peptide derived from human FZD7. AA range:45-94

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ICC/IF 1:100-1:500,ELISA 1:5000-1:20000,FC 1:50-1:200
蛋白分子量 (Molecular Weight)	64kDa

研究背景 (Background)

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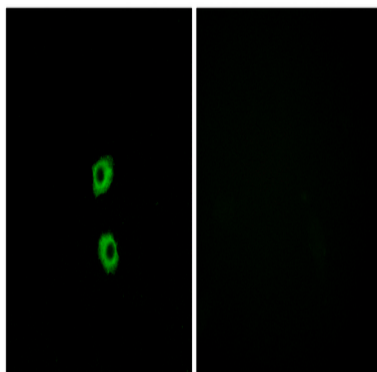


frizzled class receptor 7(FZD7) Homo sapiens Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD7 protein contains an N-terminal signal sequence, 10 cysteine residues typical of the cysteine-rich extracellular domain of Fz 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],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 morphogenesis and/or in differentiated tissues.,similarity:Belongs to the G-protein coupled receptor Fz/Smo family.,similarity:Contains 1 FZ (frizzled) domain.,subunit:Interacts with MAGI3.,tissue specificity: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.,

研究领域 (Research Area)

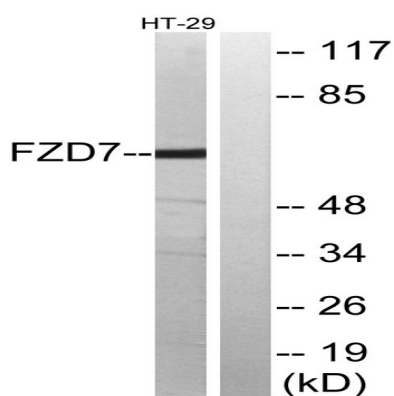
WNT;WNT-T CELL Melanogenesis;Pathways in cancer;Colorectal cancer;Basal cell carcinoma;

图片 (Image Data)

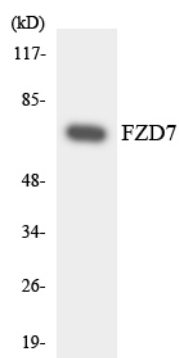


Immunofluorescence analysis of MCF7 cells, using FZD7 Antibody. The picture on the right is blocked with the synthesized peptide.

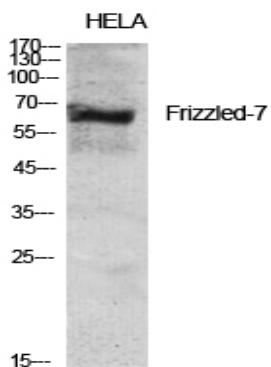
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Western blot analysis of lysates from HT-29 cells, using FZD7 Antibody. The lane on the right is blocked with the synthesized peptide.

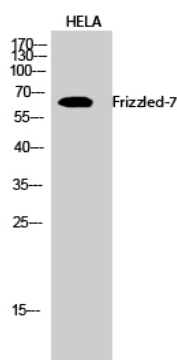


Western blot analysis of the lysates from HUVEC cells using FZD7 antibody.



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

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

注意事项 (Note)

For research use only .