



# Frizzled-7 rabbit pAb

Cat No.:ES2373

For research use only

## Overview

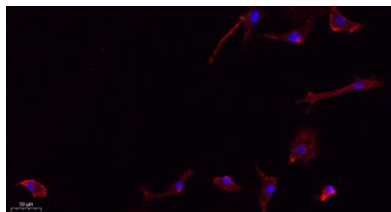
<b>Product Name</b>	Frizzled-7 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;Flow Cyt;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	WB 1:500-2000;Flow Cyt 1:50-200;IF/ICC 1:100-500;ELISA 1:5000-20000
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human FZD7. AA range:45-94
<b>Specificity</b>	Frizzled-7 Polyclonal Antibody detects endogenous levels of Frizzled-7 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Frizzled-7
<b>Gene Name</b>	FZD7
<b>Cellular localization</b>	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. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	64kD
<b>Human Gene ID</b>	8324
<b>Human Swiss-Prot Number</b>	O75084
<b>Alternative Names</b>	FZD7; Frizzled-7; Fz-7; hFz7; FzE3
<b>Background</b>	frizzled class receptor 7(FZD7) Homo sapiens Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are



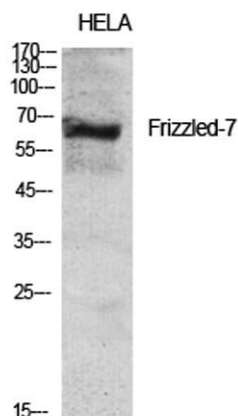


receptors for Wnt signaling proteins. The FZD7 protein contains an N-terminal signal sequence, 10 cysteine residues typical of the cysteine-rich extracellular domain of Fz family members, 7 putative transmembrane domains, and an intracellular C-terminal tail with a PDZ domain-binding motif. FZD7 gene expression may downregulate APC function and enhance beta-catenin-mediated signals in poorly differentiated human esophageal carcinomas. [provided by RefSeq, Jul 2008],

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.

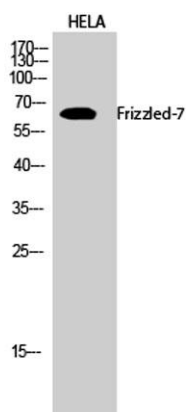


Western Blot analysis of various cells using Frizzled-7 Polyclonal Antibody diluted at 1:2000



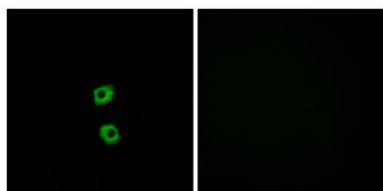


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Western Blot analysis of HELA cells using Frizzled-7  
Polyclonal Antibody diluted at 1:2000

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



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