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Anti-FZD9 / Frizzled 9 Antibody (Extracellular Domain)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17559

Product Information

Application	IHC-P, E
Primary Accession	O00144
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64466
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	8326
Alias Symbol	FZD9
Other Names	FZD9, CD349, Frizzled homolog 9, Fz-9, Frizzled family receptor 9, Frizzled-9, Frizzled 9, Fz9, HFz9, CD349 antigen, Frizzled homolog fzd3, FzE6
Target/Specificity	Human FZD9 / Frizzled 9. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except FZD10 (47%).
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-FZD9 / Frizzled 9 Antibody (Extracellular Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FZD9
Synonyms	FZD3
Function	Receptor for WNT2 that is 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 (By similarity). Plays a role in neuromuscular junction (NMJ) assembly by negatively regulating the clustering of acetylcholine receptors (AChR) through the beta-catenin canonical signaling pathway (By similarity). May play a role in neural progenitor cells (NPCs) viability through the beta-catenin canonical signaling pathway by negatively regulating cell cycle arrest leading to inhibition of neuron apoptotic process (PubMed:27509850). During hippocampal development, regulates neuroblast proliferation and apoptotic cell death. Controls bone formation through non canonical Wnt signaling

	mediated via ISG15. Positively regulates bone regeneration through non canonical Wnt signaling (By similarity).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q9R216}; Multi-pass membrane protein. Note=Relocalizes DVL1 to the cell membrane leading to phosphorylation of DVL1 and AXIN1 relocalization to the cell membrane. {ECO:0000250|UniProtKB:Q8K4C8}
Tissue Location	Expressed predominantly in adult and fetal brain, testis, eye, skeletal muscle and kidney. Moderately expressed in pancreas, thyroid, adrenal cortex, small intestine and stomach Detected in fetal liver and kidney. Expressed in neural progenitor cells (PubMed:27509850).