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Anti-Frizzled 5 Antibody

Catalog # AP54084

Product Information

Application	WB, IF/IC
Primary Accession	Q13467
Other Accession	Q9H461
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64507

Additional Information

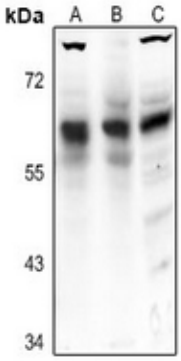
Gene ID	7855
Other Names	FZD5; C2orf31; Frizzled-5; Fz-5; hFz5; FzE5; FZD8; Frizzled-8; Fz-8; hFz8
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Frizzled 5. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

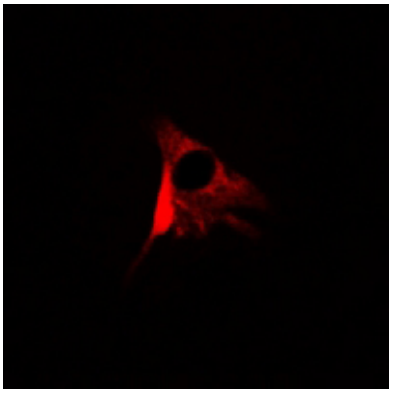
Name	FZD5
Synonyms	C2orf31
Function	Receptor for Wnt proteins (PubMed: 10097073, PubMed:20530549, PubMed:26908622, PubMed:9054360). Functions in the canonical Wnt/beta-catenin signaling pathway. In vitro activates WNT2, WNT10B, WNT5A, but not WNT2B or WNT4 signaling (By similarity). In neurons, activation by WNT7A promotes formation of synapses (PubMed:20530549). May be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues (Probable). Plays a role in yolk sac angiogenesis and in placental vascularization (By similarity). Plays a role in ocular development (PubMed:26908622).
Cellular Location	Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q8CHL0}. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9EQD0}; Multi-pass membrane protein

{ECO:0000250|UniProtKB:Q9EQD0}. Synapse
{ECO:0000250|UniProtKB:Q8CHL0}. Perikaryon
{ECO:0000250|UniProtKB:Q8CHL0}. Cell projection, dendrite
{ECO:0000250|UniProtKB:Q8CHL0}. Cell projection, axon
{ECO:0000250|UniProtKB:Q8CHL0}. Note=Localized at the plasma membrane and also found at the Golgi apparatus. {ECO:0000250|UniProtKB:Q9EQD0}

Images



Western blot analysis of Frizzled 5 expression in SGC7901 (A), PC3 (B), MEF (C) whole cell lysates. (Predicted band size: 64; 73 kD; Observed band size: 65 kD)



Immunofluorescent analysis of Frizzled 5 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.