

Anti-Frizzled 5 Antibody

Catalog # AP54084

Product Information

Application	WB, IF
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	Recognizes endogenous levels of Frizzled 5 protein.
Dilution	WB~~1/500 - 1/1000 IF~~1/50 - 1/200
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

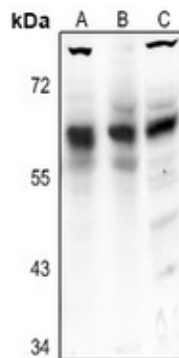
Name	FZD5
Synonyms	C2orf31
Function	Receptor for Wnt proteins (PubMed: 10097073 , PubMed: 20530549 , PubMed: 26908622 , PubMed: 9054360). Functions in the canonical Wnt/beta-catenin signaling pathway. In vitro activates WNT2, WNT10B, WNT5A, but not WNT2B or WNT4 signaling (By similarity). In neurons, 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}

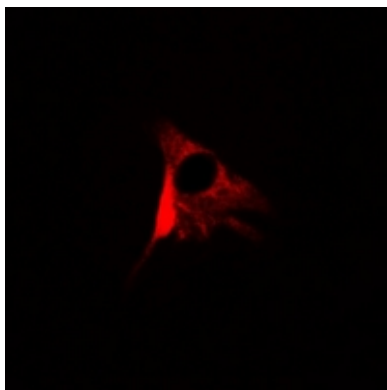
Background

Rabbit polyclonal antibody to Frizzled 5

Images



Western blot analysis of Frizzled 5 expression in SGC7901 (A), PC3 (B), MEF (C) whole cell lysates.



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 humidified 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.

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