

Anti-Frizzled 2 Antibody

Catalog # AP54083

Product Information

Application	WB, IF
Primary Accession	Q14332
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	63554

Additional Information

Gene ID	2535
Other Names	Frizzled-2; Fz-2; hFz2; FzE2
Target/Specificity	Recognizes endogenous levels of Frizzled 2 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

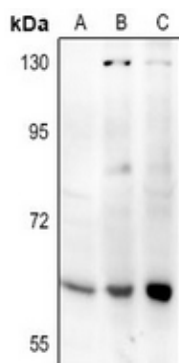
Name	FZD2
Function	Receptor for Wnt proteins. Most of frizzled receptors are coupled to the beta-catenin canonical signaling pathway, which leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes (PubMed: 25759469). 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.
Cellular Location	Membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein
Tissue Location	Widely expressed. In the adult, mainly found in heart, placenta, skeletal muscle, lung, kidney, pancreas, prostate, testis, ovary and colon. In the fetus,

expressed in brain, lung and kidney. Low levels in fetal liver

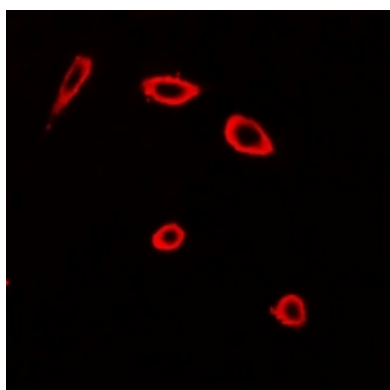
Background

Rabbit polyclonal antibody to Frizzled 2

Images



Western blot analysis of Frizzled 2 expression in MEF (A), A375 (B), MCF7 (C) whole cell lysates.



Immunofluorescent analysis of Frizzled 2 staining in MCF7 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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