ARG66638
anti-FZD9 / Frizzled 9 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FZD9 / Frizzled 9
Tested Reactivity	Hu, Mk
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FZD9 / Frizzled 9
Species	Human
Immunogen	Synthetic peptide between aa. 520-600 of Human FZD9 / Frizzled 9.
Conjugation	Un-conjugated
Alternate Names	Frizzled-9; Fz-9; FZD3; CD349; FzE6; CD antigen CD349; hFz9

Application Instructions

Application table

Application	Dilution
ICC/IF	1:200 - 1:1000
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 65 kDa

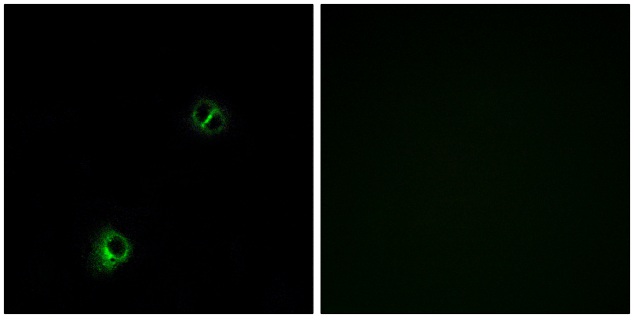
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

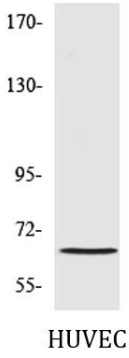
Gene Symbol	FZD9
Gene Full Name	frizzled class receptor 9
Background	Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD9 gene is located within the Williams syndrome common deletion region of chromosome 7, and heterozygous deletion of the FZD9 gene may contribute to the Williams syndrome phenotype. FZD9 is expressed predominantly in brain, testis, eye, skeletal muscle, and kidney. [provided by RefSeq, Jul 2008]
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. 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. [UniProt]
Calculated Mw	64 kDa
PTM	Ubiquitinated by ZNRF3, leading to its degradation by the proteasome. [UniProt]
Cellular Localization	Cell membrane; Multi-pass membrane protein. Note=Relocalizes DVL1 to the cell membrane leading to phosphorylation of DVL1 and AXIN1 relocalization to the cell membrane. [UniProt]

Images



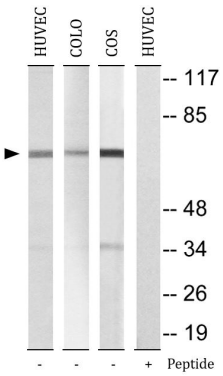
ARG66638 anti-FZD9 / Frizzled 9 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG66638 anti-FZD9 / Frizzled 9 antibody. The picture on the right is blocked with the synthetic peptide.



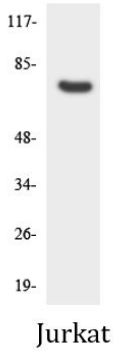
ARG66638 anti-FZD9 / Frizzled 9 antibody WB image

Western blot: HUVEC lysate stained with ARG66638 anti-FZD9 / Frizzled 9 antibody.



ARG66638 anti-FZD9 / Frizzled 9 antibody WB image

Western blot: HUVEC, COLO and COS cell lysates stained with ARG66638 anti-FZD9 / Frizzled 9 antibody. The lane on the right is blocked with the synthetic peptide.



ARG66638 anti-FZD9 / Frizzled 9 antibody WB image

Western blot: Jurkat cell lysate stained with ARG66638 anti-FZD9 / Frizzled 9 antibody.