

ARG66566 anti-FZD6 / Frizzled 6 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FZD6 / Frizzled 6
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FZD6 / Frizzled 6
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 90-170 of Human FZD6.
Conjugation	Un-conjugated
Alternate Names	NDNC10; FZ-6; hFz6; Fz-6; Frizzled-6; HFZ6; FZ6

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200 - 1:1000
	IHC-P	1:100 - 1:300
	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	~ 80 kDa	

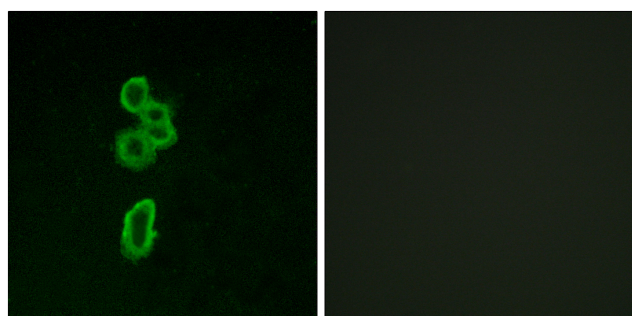
Properties

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.

Bioinformation

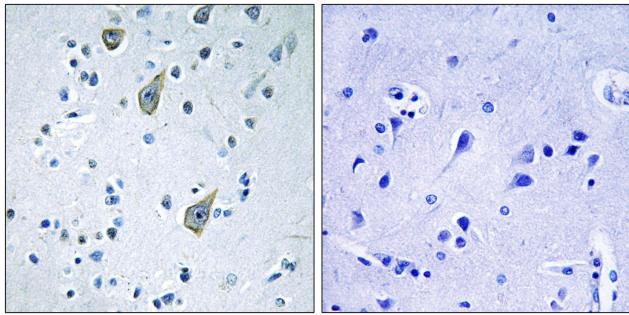
Gene Symbol	FZD6
Gene Full Name	frizzled class receptor 6
Background	This gene represents a member of the 'frizzled' gene family, which encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The protein encoded by this family member contains a signal peptide, a cysteine-rich domain in the N-terminal extracellular region, and seven transmembrane domains, but unlike other family members, this protein does not contain a C-terminal PDZ domain-binding motif. This protein functions as a negative regulator of the canonical Wnt/beta-catenin signaling cascade, thereby inhibiting the processes that trigger oncogenic transformation, cell proliferation, and inhibition of apoptosis. Alternative splicing results in multiple transcript variants, some of which do not encode a protein with a predicted signal peptide.[provided by RefSeq, Aug 2011]
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. Together with FZD3, is involved in the neural tube closure and plays a role in the regulation of the establishment of planar cell polarity (PCP), particularly in the orientation of asymmetric bundles of stereocilia on the apical faces of a subset of auditory and vestibular sensory cells located in the inner ear (By similarity). [UniProt]
Calculated Mw	79 kDa
PTM	Ubiquitinated by ZNRF3, leading to its degradation by the proteasome. [UniProt]
Cellular Localization	Membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Cell surface. Apical cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Note=Colocalizes with FZD3 at the apical face of cells (By similarity). [UniProt]

Images



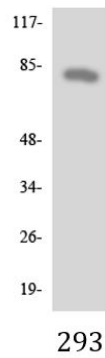
ARG66566 anti-FZD6 / Frizzled 6 antibody ICC/IF image

Immunofluorescence: MCF7 cells stained with ARG66566 anti-FZD6 / Frizzled 6 antibody. The picture on the right is blocked with the synthetic peptide.



ARG66566 anti-FZD6 / Frizzled 6 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human brain tissue stained with ARG66566 anti-FZD6 / Frizzled 6 antibody. The picture on the right is blocked with the synthetic peptide.



ARG66566 anti-FZD6 / Frizzled 6 antibody WB image

Western blot: 293 cell lysate stained with ARG66566 anti-FZD6 / Frizzled 6 antibody.