

Anti-FZD6 / Frizzled 6 Antibody (aa116-165)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18370

Product Information

Application	IHC-P, IF, E
Primary Accession	O60353
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	79292

Additional Information

Gene ID	8323
Alias Symbol	FZD6
Other Names	FZD6, Frizzled family receptor 6, FZ-6, HFZ6, Frizzled 6, Frizzled-6, Frizzled homolog 6, FZ6, NDNC10
Target/Specificity	FZD6 Antibody detects endogenous levels of total FZD6 protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-FZD6 / Frizzled 6 Antibody (aa116-165) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FZD6
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).

Cellular Location

Membrane {ECO:0000250|UniProtKB:Q61089}; Multi-pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:Q61089}; Multi-pass membrane protein. Cell surface {ECO:0000250|UniProtKB:Q61089}. Apical cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:Q61089}; Multi-pass membrane protein. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q61089}; Multi-pass membrane protein. Note=Colocalizes with FZD3 at the apical face of cells (By similarity). Localizes to the endoplasmic reticulum membrane in the presence of LMBR1L (By similarity). {ECO:0000250|UniProtKB:Q61089}

Tissue Location

Detected in adult heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, thymus, prostate, testis, ovary, small intestine and colon. In the fetus, expressed in brain, lung, liver and kidney

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