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FZD10 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11865

Product Information

Application	WB
Primary Accession	Q9ULW2
Other Accession	NM_007197, NP_009128
Reactivity	Human, Mouse, Zebrafish, Pig, Dog, Horse, Bovine
Predicted	Human, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65336

Additional Information

Gene ID	11211
Alias Symbol	FZ-10, FzE7, hFz10, Fz10, CD350
Other Names	Frizzled-10, Fz-10, hFz10, FzE7, CD350, FZD10
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-FZD10 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	FZD10 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

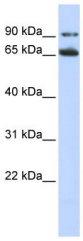
Name	FZD10
Function	Receptor for Wnt proteins. Functions in the canonical Wnt/beta-catenin signaling pathway (By similarity). The canonical Wnt/beta-catenin signaling pathway leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation 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 (Probable).

Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Highest levels in the placenta and fetal kidney, followed by fetal lung and brain. In adult brain, abundantly expressed in the cerebellum, followed by cerebral cortex, medulla and spinal cord; very low levels in total brain, frontal lobe, temporal lobe and putamen. Weak expression detected in adult brain, heart, lung, skeletal muscle, pancreas, spleen and prostate.

References

Omoto,S., (2004) Ophthalmic Genet. 25 (2), 81-90 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.Publications:Gonzalez, P., Fernandez-Martos, C. M., Gonzalez-Fernandez, C., Arenas, E. & Rodriguez, F. J. Spatio-temporal expression pattern of frizzled receptors after contusive spinal cord injury in adult rats. PLoS One 7, e50793 (2012). WB, IHC, Bovine, Dog, Pig, H, Mouse, Human, Zebrafish23251385

Images



WB Suggested Anti-FZD10 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: HepG2 cell lysate

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