

FZD10 antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # Al11865

Specification

FZD10 antibody - N-terminal region - Product Information

Application WB

Primary Accession 09ULW2 Other Accession

NM 007197, NP 009128 Human, Mouse, Zebrafish, Pig, Horse, Reactivity

Bovine, Dog

Human, Chicken, Horse, Bovine, Dog Predicted

Host **Rabbit** Clonality **Polyclonal** Calculated MW 65kDa KDa

FZD10 antibody - N-terminal region - 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.

FZD10 antibody - N-terminal region - 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.

FZD10 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FZD10 antibody - N-terminal region - Images



WB Suggested Anti-FZD10 Antibody Titration: 0.2-1 μg/ml

ELISA Titer: 1:62500

Positive Control: HepG2 cell lysate

FZD10 antibody - N-terminal region - 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