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FZD10 / Frizzled 10 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10767

Specification

FZD10 / Frizzled 10 Antibody (N-Terminus) - Product Information

Application	**IHC**
Primary Accession	Q9ULW2
Reactivity	**Human, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**65kDa KDa**

FZD10 / Frizzled 10 Antibody (N-Terminus) - Additional Information

Gene ID 11211

Other Names
Frizzled-10, Fz-10, hFz10, FzE7, CD350, FZD10

Target/Specificity
Human FZD10 / Frizzled 10. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
FZD10 / Frizzled 10 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

FZD10 / Frizzled 10 Antibody (N-Terminus) - 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.

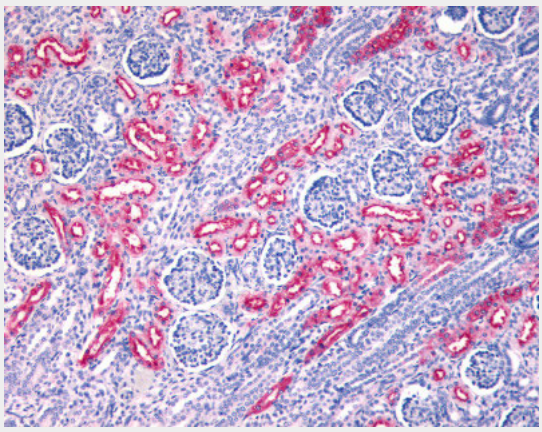
Volume
50 µl

FZD10 / Frizzled 10 Antibody (N-Terminus) - Protocols

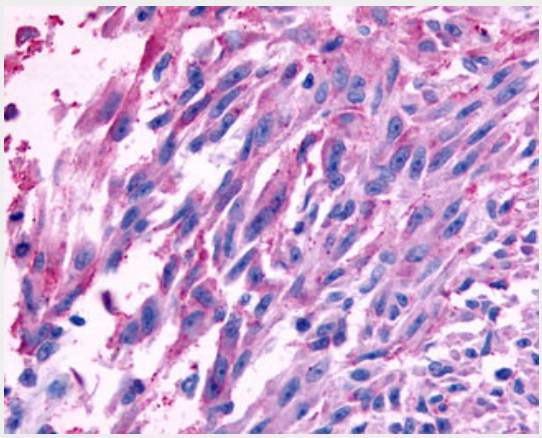
Provided below are standard protocols that you may find useful for product applications.

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

FZD10 / Frizzled 10 Antibody (N-Terminus) - Images



Anti-FZD10 / Frizzled 10 antibody ALS10767 IHC of human kidney, fetal.



Anti-FZD10 / Frizzled 10 antibody IHC of human Skin, Melanoma.

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FZD10 / Frizzled 10 Antibody (N-Terminus) - Background

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.

FZD10 / Frizzled 10 Antibody (N-Terminus) - References

Koike J.,et al.Biochem. Biophys. Res. Commun. 262:39-43(1999).
Tanaka S.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:10164-10169(1998).
Kwon H.S.,et al.Mol. Cell. Biol. 29:2139-2154(2009).