

FSD2 / Frizzled 2 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10670**Specification**

FSD2 / Frizzled 2 Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	O14332
Reactivity	Human, Mouse, Rabbit, Hamster, Monkey, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64kDa KDa

FSD2 / Frizzled 2 Antibody (N-Terminus) - Additional Information**Gene ID** 2535**Other Names**

Frizzled-2, Fz-2, hFz2, FzE2, FZD2

Target/Specificity

Human Frizzled 2. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except FZD7 (60%), DMAP1 (40%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

FSD2 / Frizzled 2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

FSD2 / Frizzled 2 Antibody (N-Terminus) - Protein Information**Name** FZD2**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 (PubMed:25759469). 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.

Cellular Location

Membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

Tissue Location

Widely expressed. In the adult, mainly found in heart, placenta, skeletal muscle, lung, kidney, pancreas, prostate, testis, ovary and colon. In the fetus, expressed in brain, lung and kidney. Low levels in fetal liver

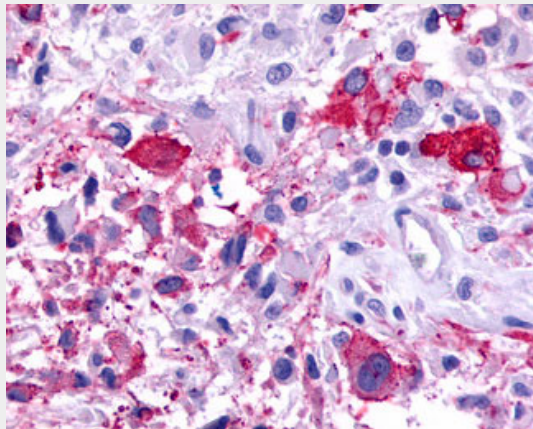
Volume

50 µl

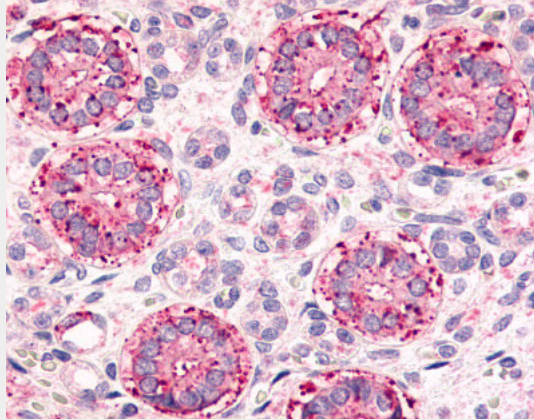
FSD2 / Frizzled 2 Antibody (N-Terminus) - Protocols

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

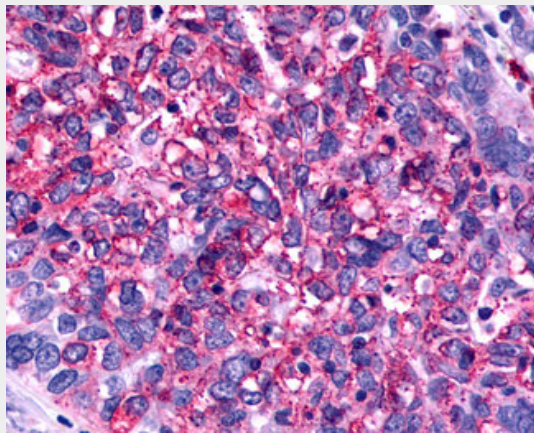
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FSD2 / Frizzled 2 Antibody (N-Terminus) - Images

Anti-FSD2 / Frizzled 2 antibody IHC of human Brain, Glioblastoma.



Anti-Frizzled 2 antibody ALS10670 IHC of human fetal kidney.



Anti-FSD2 / Frizzled 2 antibody IHC of human Ovary, Carcinoma.

FSD2 / Frizzled 2 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.

FSD2 / Frizzled 2 Antibody (N-Terminus) - References

- Zhao Z.,et al.Genomics 27:370-373(1995).
Sagara N.,et al.Biochem. Biophys. Res. Commun. 252:117-122(1998).
Tanaka S.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:10164-10169(1998).