10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FSD2 / Frizzled 2 Antibody (Internal)

Goat Polyclonal Antibody
Catalog # ALS13102

Specification

FSD2 / Frizzled 2 Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	Q14332
Reactivity	**Human, Mouse, Rat, Hamster, Monkey, Pig, Horse, Bovine, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**64kDa KDa**

FSD2 / Frizzled 2 Antibody (Internal) - Additional Information

Gene ID 2535

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

Target/Specificity
Human FZD2 / Frizzled 2.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

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

FSD2 / Frizzled 2 Antibody (Internal) - 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

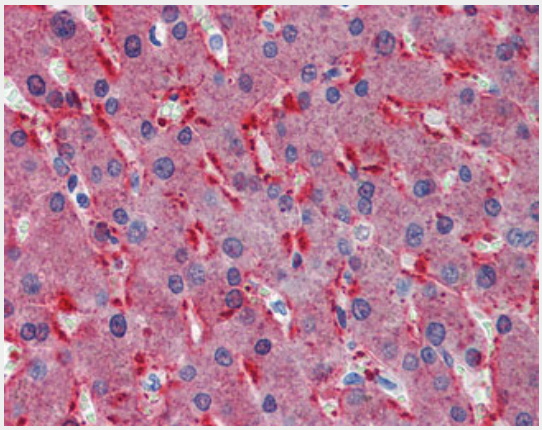
Tissue Location
Widely expressed. In the adult, mainly found in heart, placenta, skeletal muscle, lung, kidney, pancreas, prostate, testis, ovary and colon. In the fetus, expressed in brain, lung and kidney. Low levels in fetal liver

FSD2 / Frizzled 2 Antibody (Internal) - 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

FSD2 / Frizzled 2 Antibody (Internal) - Images



Anti-Frizzled 2 antibody IHC of human liver.

FSD2 / Frizzled 2 Antibody (Internal) - 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 (Internal) - 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).

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