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FZD2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP14806b

Specification

FZD2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q14332

FZD2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 2535

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FZD2 Antibody (C-term) Blocking Peptide - 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

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FZD2 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

FZD2 Antibody (C-term) Blocking Peptide - Images

FZD2 Antibody (C-term) Blocking Peptide - Background

Members of the 'frizzled' gene family encode7-transmembrane domain proteins that are receptors for Wntsignaling proteins. The expression of the FZD2 gene appears to bedevelopmentally regulated, with high levels of expression in fetalkidney and lung and in adult colon and ovary.

FZD2 Antibody (C-term) Blocking Peptide - References

Bazhin, A.V., et al. Cell. Mol. Life Sci. 67(5):817-828(2010)Sato, A., et al. EMBO J. 29(1):41-54(2010)Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :Ollila, H.M., et al. Mol. Psychiatry 14(4):351-353(2009)Wang, H.X., et al. Mol. Hum. Reprod. 15(1):11-17(2009)