

**FZD2 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14806b****Specification**

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**FZD2 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q14332</a>
Other Accession	<a href="#">Q08464</a> , <a href="#">Q9JIP6</a> , <a href="#">NP_001457.1</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	63554
Antigen Region	534-563

**FZD2 Antibody (C-term) - Additional Information****Gene ID** 2535**Other Names**

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

**Target/Specificity**

This FZD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 534-563 amino acids from the C-terminal region of human FZD2.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FZD2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FZD2 Antibody (C-term) - 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

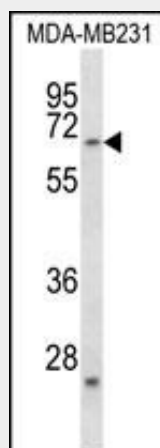
Widely expressed. In the adult, mainly found in heart, placenta, skeletal muscle, lung, kidney, pancreas, prostate, testis, ovary and colon. In the fetus, expressed in brain, lung and kidney. Low levels in fetal liver

### FZD2 Antibody (C-term) - 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](#)

### FZD2 Antibody (C-term) - Images



FZD2 Antibody (C-term) (Cat. #AP14806b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the FZD2 antibody detected the FZD2 protein (arrow).

### FZD2 Antibody (C-term) - Background

Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt

signaling proteins. The expression of the FZD2 gene appears to be developmentally regulated, with high levels of expression in fetal kidney and lung and in adult colon and ovary.

#### **FZD2 Antibody (C-term) - 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)