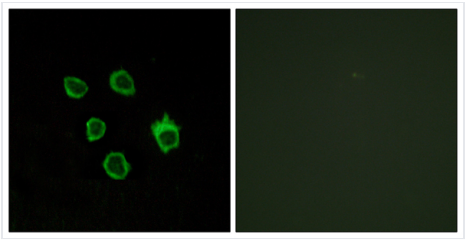
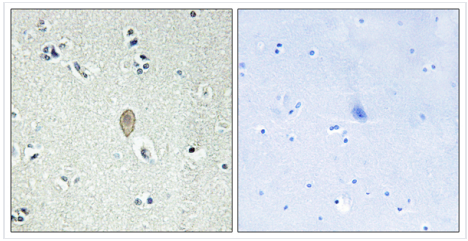
FZD5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FZD5, Polyclonal Antibody
Full Product Name	FZD5 Antibody
Product Gene Name	anti-FZD5 antibody
Product Synonym Gene Name	FZD5; FZD8
Product Synonym Names	Frizzled-5; Fz-5; hFz5; FzE5; FZD5; HFZ5
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	FZD5 Antibody detects endogenous levels of total FZD5 protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	64 kDa
OMIM	U43318 mRNA
3D Structure	ModBase 3D Structure for Q13467
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human FZD5.
Immunogen Range	31-80
Applications Tested/Suitable for anti-FZD5 antibody	Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-FZD5 antibody	IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:5000
Related Product Information for anti-FZD5 antibody	MBS9507927 is an antibody targeting FZD5. Also known as FZD5 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-FZD5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunofluorescence (IF) of anti-FZD5 antibody
Immunofluorescence analysis of COS7 cells, using FZD5 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry (IHC) of anti-FZD5 antibody
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using FZD5 Antibody. The picture on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FZD5. It may not necessarily be applicable to this product.

NCBI GI #	27894385
NCBI GeneID	7855
NCBI Accession #	NP_003459.2
UniProt Primary Accession #	Q13467
UniProt Secondary Accession #	Q53R22; A8K2X1; B2RCZ1
UniProt Related Accession #	Q13467
GenBank Nucleotide #	NM_003468.3
NCBI Official Full Name	frizzled-5
NCBI Official Synonym Full Names	frizzled class receptor 5
NCBI Official Symbol	FZD5
NCBI Official Synonym Symbols	HFZ5; C2orf31
UniProt Protein Name	Frizzled-5
UniProt Synonym Protein Names	FzE5
Protein Family	Frizzled
UniProt Gene Name	FZD5
UniProt Synonym Gene Names	C2orf31; Fz-5; hFz5
NCBI Protein Information	frizzled-5
NCBI Summary for FZD5	Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD5 protein is believed to be the receptor for the Wnt5A ligand. [provided by RefSeq, Jul 2008]
UniProt Comments for FZD5	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. Interacts specifically with Wnt5A to induce the beta-catenin pathway.
Research Articles on FZD5	**1.** FZD5 is required for the growth of RNF43-mutant pancreatic ductal adenocarcinoma cells.

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