

KX593

For research use only

Anti Human FZD8 Monoclonal Antibody

Clone No. 1C3

This product is generated from GANP® mice.



Code No. KX593
Target FZD8
Category GPCR
Gene ID 8325
Primary Source HGNC:4046
Synonyms FZ-8; hFZ8
Type Monoclonal Antibody
Immunogen Partial peptide of Human FZD8 (1st extracellular domain)



[IHC] Rat brain tissue

Raised in GANP® mouse
Myeloma P3U1
Clone number 1C3
Purification ProteinG
Source Serum-free medium
Isotype IgG1, κ
Cross Reactivity Rat
Label Unlabeled
Concentration 0.25 mg/mL
Contents (Volume) 50 μ g (200 μ L/vial)
Buffer PBS [containing 2% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]
Storage Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

Application ELISA, IHC

ELISA	WB	IHC	ICC
1.0	Not tested	5.0-10	Not tested
IP	FCM	IF	Neutralization
Not tested	Not tested	Not tested	Not tested

(μ g/mL)

Reference

1. "Molecular cloning and characterization of human Frizzled-8 gene on chromosome 10p11.2." Saitoh T. et al. Int. J. Oncol. 18:991-996(2001) [PubMed: 11295046] [Abstract]. Cited for: NUCLEOTIDE SEQUENCE [MRNA].
2. "The DNA sequence and comparative analysis of human chromosome 10." Deloukas P. et al. Nature 429:375-381(2004) [PubMed: 15164054] [Abstract]. Cited for: NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].

UniProt Summary

//Function Receptor for Wnt proteins. Most of frizzled receptors are coupled to the beta-catenin canonical signaling pathway, which leads to the activation of dishevelled 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.

//Subunit structure Interacts with GPCR. Interacts with RSPO1 and RSPO3 By similarity.

//Subcellular location Membrane; Multi-pass membrane protein.

//Tissue specificity Most abundant in fetal kidney, followed by brain and lung. In adult tissues, expressed in kidney, heart, pancreas and skeletal muscle.

//Domain The PDZ-binding motif mediates interaction with GPCR By similarity. Lys-Thr-X-X-X-Trp motif is involved in the activation of the Wnt/beta-catenin signaling pathway By similarity. The FZ domain is involved in binding with Wnt ligands By similarity.

//Sequence similarities Belongs to the G-protein coupled receptor Fz/Smo family.

Contains 1 FZ (frizzled) domain.