



**KX593**

For research use only

# Anti Human FZD8 Monoclonal Antibody

Clone No. 1C3

This product is generated from GANP® mice.



<b>Code No.</b>	KX593
<b>Target</b>	FZD8
<b>Category</b>	GPCR
<b>Gene ID</b>	8325
<b>Primary Source</b>	HGNC:4046
<b>Synonyms</b>	FZ-8; hFZ8
<b>Type</b>	Monoclonal Antibody
<b>Immunogen</b>	Partial peptide of Human FZD8 (1st extracellular domain)
<b>Raised in</b>	GANP® mouse
<b>Myeloma</b>	P3U1
<b>Clone number</b>	1C3
<b>Purification</b>	ProteinG
<b>Source</b>	Serum-free medium
<b>Isotype</b>	IgG1, $\kappa$
<b>Cross Reactivity</b>	Rat
<b>Label</b>	Unlabeled
<b>Concentration</b>	0.25 mg/mL
<b>Contents (Volume)</b>	50 $\mu$ g (200 $\mu$ L/vial)
<b>Buffer</b>	PBS [containing 2% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]
<b>Storage</b>	Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.
<b>Application</b>	ELISA,IHC



[IHC] Rat brain tissue

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

( $\mu$ 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].

## UniPlot 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 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.

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

//Subcellular location Membrane; Multi-pass membrane protein

Manufactured by Trans Genic Inc.



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