

Anti-FZD5 Reference Antibody (U.Toronto patent anti-FZD5)

Catalog # APR11403

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q13467
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1-EM
Calculated MW	64507

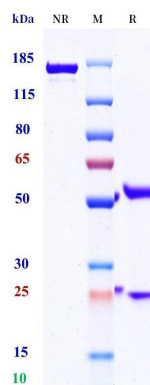
Additional Information

Target/Specificity	FZD5
Expression system	CHO

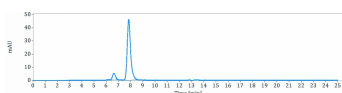
Protein Information

Name	FZD5
Synonyms	C2orf31
Function	Receptor for Wnt proteins (PubMed: 10097073 , PubMed: 20530549 , PubMed: 26908622 , PubMed: 9054360). Functions in the canonical Wnt/beta-catenin signaling pathway. In vitro activates WNT2, WNT10B, WNT5A, but not WNT2B or WNT4 signaling (By similarity). In neurons, activation by WNT7A promotes formation of synapses (PubMed: 20530549). May be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues (Probable). Plays a role in yolk sac angiogenesis and in placental vascularization (By similarity). Plays a role in ocular development (PubMed: 26908622).
Cellular Location	Cell membrane; Multi-pass membrane protein {ECO:0000250 UniProtKB:Q8CHL0}. Golgi apparatus membrane {ECO:0000250 UniProtKB:Q9EQD0}; Multi-pass membrane protein {ECO:0000250 UniProtKB:Q9EQD0}. Synapse {ECO:0000250 UniProtKB:Q8CHL0}. Perikaryon {ECO:0000250 UniProtKB:Q8CHL0}. Cell projection, dendrite {ECO:0000250 UniProtKB:Q8CHL0}. Cell projection, axon {ECO:0000250 UniProtKB:Q8CHL0}. Note=Localized at the plasma membrane and also found at the Golgi apparatus. {ECO:0000250 UniProtKB:Q9EQD0}

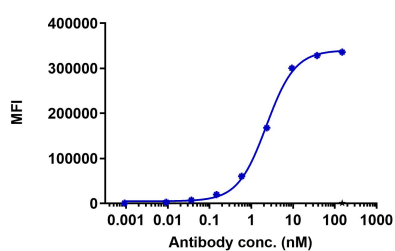
Images



Anti-FZD5 Reference Antibody (U.Toronto patent anti-FZD5) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-FZD5 Reference Antibody (U.Toronto patent anti-FZD5) is 98.6%, determined by SEC-HPLC.



HuFZD5-FL-His-EGFP-HEK293-A11 cell line were stained with U.Toronto patent anti-FZD5 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 2.296 nM.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.