FGFR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FGFR1, Polyclonal Antibody
Full Product Name	FGFR1 (Y154) (Basic Fibroblast Growth Factor Receptor 1, FGFR-1, bFGF-R, Proto-oncogene c-Fgr, Fms-like Tyrosine Kinase 2, FLT-2, CD331, FGFBR, FLG, FLT2) (MaxLight 490)
Product Gene Name	anti-FGFR1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human FGFR1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	91.867
OMIM	101600
3D Structure	ModBase 3D Structure for P11362
Immunogen	Synthetic peptide corresponding to amino acid residues surrounding Y154 of human FGFR1 (KLH).
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-FGFR1 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-FGFR1 antibody	Western Blot (WB), FLISA
Application Notes for anti-FGFR1 antibody	WB: 1:50-1:100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-FGFR1 antibody	MBS6476483 is an antibody targeting FGFR1. Also known as FGFR1 (Y154) (Basic Fibroblast Growth Factor Receptor 1, FGFR-1, bFGF-R, Proto-oncogene c-Fgr, Fms-like Tyrosine Kinase 2, FLT-2, CD331, FGFBR, FLG, FLT2) (MaxLight 490). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-FGFR1 antibody	1. Jiao, J., et al., Arch. Biochem. Biophys. 410(2):187-200 (2003). 2. Fu, L., et al., J. Comp. Neurol. 462(2):265-273 (2003). 3. Lundin, L., et al., Exp. Cell Res. 287(1):190-198 (2003). 4. Kiselyov, V.V., et al., Structure (Camb.) 11(6):691-701 (2003). 5. Baumann, H., et al., J. Biol. Chem. 278(18):16198-16208 (2003).
Other Notes	Small volumes of anti-FGFR1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FGFR1. It may not necessarily be applicable to this product.

NCBI GI #	11276087
NCBI Accession #	NP_000595
UniProt Primary Accession #	P11362
UniProt Protein Name	Fibroblast growth factor receptor 1
UniProt Synonym Protein Names	Basic fibroblast growth factor receptor 1; BFGFR; bFGF-R-1; Fms-like tyrosine kinase 2; FLT-2; N-sam; Proto-oncogene c-Fgr
Protein Family	Fibroblast growth factor receptor
UniProt Gene Name	FGFR1
UniProt Synonym Gene Names	BFGFR; CEK; FGFBR; FLG; FLT2; HBGFR; FGFR-1; BFGFR; bFGF-R-1; FLT-2
UniProt Entry Name	FGFR1_HUMAN
UniProt Comments for FGFR1	FGFR1: a receptor tyrosine kinase of the highly-conserved fibroblast growth factor receptor (FGFR). Binds both acidic and basic fibroblast growth factors and is involved in limb induction. Point mutations cause Pfeffer syndrome (finger and toe malformations and other skeletal errors) and dominant Kallmann syndrome 2. Stem cell leukemia lymphoma syndrome (SCLL) may be caused by a t(8;13)(p12;q12) translocation that fuses a zinc finger gene, ZNF198, to FGFR1. Various myeloproliferative disorders have been linked to translocations that fuse FGFR1 to FOP, FIM, CEP1 or the atypical kinase, Bcr. Inhibitor: SU5402. 20 isoforms of the human protein produced by alternative splicing have been described. Protein type: EC 2.7.10.1; Kinase, protein; Oncoprotein; Membrane protein, integral; Protein kinase, tyrosine (receptor); Protein kinase, TK; TK group; FGFR family Chromosomal Location of Human Ortholog: 8p11.23-p11.22 Cellular Component: integral to plasma membrane; cytoplasmic membrane-bound vesicle; plasma membrane; integral to membrane; extracellular region; cytosol; nucleus; receptor complex Molecular Function: heparin binding; identical protein binding; protein binding; fibroblast growth factor binding; protein homodimerization activity; fibroblast growth factor receptor activity; protein-tyrosine kinase activity; ATP binding Biological Process: paraxial mesoderm development; axon guidance; peptidyl-tyrosine phosphorylation; nerve growth factor receptor signaling pathway; protein amino acid autophosphorylation; cell maturation; neuron migration; negative regulation of transcription from RNA polymerase II promoter; middle ear morphogenesis; protein amino acid phosphorylation; positive regulation of MAP kinase activity; sensory perception of sound; positive regulation of MAPKKK cascade; ureteric bud development; induction of an organ; regulation of cell differentiation; midbrain development; positive regulation of cell proliferation; positive regulation of mesenchymal cell proliferation; chondrocyte differentiation; angiogenesis; skeletal development; embryonic limb morphogenesis; positive regulation of cardiac muscle cell proliferation; epidermal growth factor receptor signaling pathway; inner ear morphogenesis; cell migration; phosphoinositide-mediated signaling; fibroblast growth factor receptor signaling pathway; chordate embryonic development; transcription, DNA-dependent; in utero embryonic development; outer ear morphogenesis; MAPKKK cascade; positive regulation of cell cycle; positive regulation of phosphoinositide 3-kinase cascade; neuroblast division in the ventricular zone; mesenchymal cell differentiation; skeletal morphogenesis; insulin receptor signaling pathway; innate immune response; auditory receptor cell development; positive regulation of neuron differentiation; regulation of lateral mesodermal cell fate specification Disease: Pfeiffer Syndrome; Hypogonadotropic Hypogonadism 2 With Or Without Anosmia; Jackson-weiss Syndrome; Trigonocephaly 1; Osteoglophonic Dysplasia
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