FGF18 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FGF18, Polyclonal Antibody
Full Product Name	FGF18 Antibody
Product Gene Name	anti-FGF18 antibody
Product Synonym Names	FGF18; Fibroblast growth factor 18; FGF-18; zFGF5
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	23,989 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (170846667..170884630). Location: 5q34
OMIM	603726
3D Structure	ModBase 3D Structure for O76093
Immunogen	Synthesized peptide derived from the C-terminal region of human FGF-18.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-FGF18 antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-FGF18 antibody	Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-FGF18 antibody	IHC: 1:100-1:300 IF: 1:200-1:1000 ELISA: 1:40000
Related Product Information for anti-FGF18 antibody	MBS7121156 is an antibody targeting FGF18. Also known as FGF18 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-FGF18 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 FGF18. It may not necessarily be applicable to this product.

NCBI GI #	4503695

NCBI GeneID	8817
NCBI Accession #	NP_003853.1
UniProt Primary Accession #	O76093
UniProt Secondary Accession #	Q6UWF1; D3DQL7
UniProt Related Accession #	O76093
GenBank Nucleotide #	NM_003862.2
NCBI Official Full Name	fibroblast growth factor 18
NCBI Official Synonym Full Names	fibroblast growth factor 18
NCBI Official Symbol	FGF18
NCBI Official Synonym Symbols	ZFGF5; FGF-18
UniProt Protein Name	Fibroblast growth factor 18
UniProt Synonym Protein Names	zFGF5
Protein Family	Fibroblast growth factor
UniProt Gene Name	FGF18
UniProt Synonym Gene Names	FGF-18
UniProt Entry Name	FGF18_HUMAN
NCBI Protein Information	fibroblast growth factor 18
NCBI Summary for FGF18	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. It has been shown in vitro that this protein is able to induce neurite outgrowth in PC12 cells. Studies of the similar proteins in mouse and chick suggested that this protein is a pleiotropic growth factor that stimulates proliferation in a number of tissues, most notably the liver and small intestine. Knockout studies of the similar gene in mice implied the role of this protein in regulating proliferation and differentiation of midline cerebellar structures. [provided by RefSeq, Jul 2008]
UniProt Comments for FGF18	FGF18: Plays an important role in the regulation of cell proliferation, cell differentiation and cell migration. Required for normal ossification and bone development. Stimulates hepatic and intestinal proliferation. Belongs to the heparin-binding growth factors family. Protein type: Secreted, signal peptide; Cytokine; Secreted Chromosomal Location of Human Ortholog: 5q34 Cellular Component: extracellular space; extracellular region; nucleolus Molecular Function: growth factor activity; type 2 fibroblast growth factor receptor binding; type 1 fibroblast growth factor receptor binding Biological Process: epidermal growth factor receptor signaling pathway; nervous system development; intramembranous ossification; regulation of endothelial cell proliferation; anatomical structure morphogenesis; phosphoinositide-mediated signaling; fibroblast growth factor receptor signaling pathway; nerve growth factor receptor signaling pathway; chondrocyte development; signal transduction; positive regulation of vascular endothelial growth factor receptor signaling pathway; positive regulation of MAP kinase activity; positive regulation of chondrocyte differentiation; cell-cell signaling; positive regulation of cell proliferation; insulin receptor signaling pathway; innate immune response; angiogenesis; lung development; endochondral ossification
Research Articles on FGF18	**1.** FGF8, FGF17, and FGF18 are involved in autocrine and paracrine signaling in HCC and enhance the survival of tumor cells under stress conditions, malignant behavior, and neoangiogenesis.

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