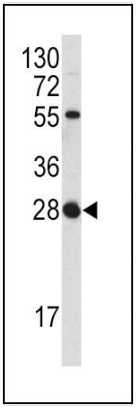
FGF18 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FGF18, Polyclonal Antibody
Full Product Name	FGF18, NT (Fibroblast Growth Factor 18, FGF-18, zFGF5, UNQ420/PRO856) (MaxLight 650)
Product Gene Name	anti-FGF18 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 MaxLight650.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human FGF18.
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: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	21kDa
OMIM	603726
3D Structure	ModBase 3D Structure for O76093
Immunogen	Synthetic peptide selected from the N-terminal region of human FGF18 (KLH).
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-FGF18 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-FGF18 antibody	Western Blot (WB), FLISA
Application Notes for anti-FGF18 antibody	WB: 1:50-1:100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-FGF18 antibody	MBS6476362 is an antibody targeting FGF18. Also known as FGF18, NT (Fibroblast Growth Factor 18, FGF-18, zFGF5, UNQ420/PRO856) (MaxLight 650). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-FGF18 antibody	1. Wan, W.D., Beijing Da Xue Xue Bao 41(4), 409-413 (2009). 2. Sonvilla, G., Carcinogenesis 29(1), 15-24 (2008).
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.



Western Blot (WB) of anti-FGF18 antibody
Western blot analysis of FGF18 antibody (N-term) in NCI-H460 cell line lysates (35ug/lane).
FGF18 (arrow) was detected using the purified Pab.

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
UniProt Primary Accession #	O76093
UniProt Related Accession #	O76093
GenBank Nucleotide #	NM_003862
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.** FGF18 played an important role in the growth and metastasis of breast cancer.
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