FGF4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FGF4, Polyclonal Antibody
Full Product Name	FGF4, NT (Fibroblast Growth Factor-4, FGF-4, Heparin Secretory Transforming Protein 1, HSTF-1, HST-1, HST, Transforming Protein KS3, Heparin-binding Growth Factor 4, HBGF-4, HSTF1, KS3)
Product Gene Name	anti-FGF4 antibody
Product Synonym Names	Anti -FGF4, NT (Fibroblast Growth Factor-4, FGF-4, Heparin Secretory Transforming Protein 1, HSTF-1, HST-1, HST, Transforming Protein KS3, Heparin-binding Growth Factor 4, HBGF-4, HSTF1, KS3)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein G affinity chromatography.
Specificity	Recognizes human FGF4.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	22,048 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (69587797..69590171, complement). Location: 11q13.3
OMIM	164980
3D Structure	ModBase 3D Structure for P08620
Immunogen	Synthetic peptide selected from the N-terminal region of human FGF4 (KLH).
Product Categories/Family for anti-FGF4 antibody	Antibodies; Abs to Growth Factors; Cytokines
Applications Tested/Suitable for anti-FGF4 antibody	ELISA (EL/EIA), Immunohistochemistry (IHC)
Application Notes for anti-FGF4 antibody	Suitable for use in ELISA and Immunohistochemistry. Dilution: ELISA: 1:1,000 Immunohistochemistry: 1:50-1:100
Related Product Information for anti-FGF4 antibody	FGF4 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. The gene for FGF4 was identified by its oncogenic transforming activity. The gene for FGF4 and FGF3, another oncogenic growth factor, are located closely on chromosome 11. Co-amplification of both genes was found in various kinds of human tumors. Studies on the mouse homolog suggested a function in bone morphogenesis and limb development through the sonic hedgehog (SHH) signaling pathway.
Other Notes	Small volumes of anti-FGF4 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.

Searchable Terms for FGF4 purchase	MBS628820 is an antibody targeting FGF4. Also known as FGF4, NT (Fibroblast Growth Factor-4, FGF-4, Heparin Secretory Transforming Protein 1, HSTF-1, HST-1, HST, Transforming Protein KS3, Heparin-binding Growth Factor 4, HBGF-4, HSTF1, KS3). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FGF4. It may not necessarily be applicable to this product.

NCBI GI #	4503701
NCBI GeneID	2249
NCBI Accession #	NP_001998.1
UniProt Primary Accession #	P08620
UniProt Related Accession #	P08620; Q14569; AAB21430
GenBank Nucleotide #	NM_002007.2
NCBI Official Full Name	fibroblast growth factor 4
NCBI Official Synonym Full Names	fibroblast growth factor 4
NCBI Official Symbol	FGF4
NCBI Official Synonym Symbols	HST; KFGF; HST-1; HSTF1; K-FGF; HBGF-4
UniProt Protein Name	Fibroblast growth factor 4
UniProt Synonym Protein Names	Heparin secretory-transforming protein 1; HST; HST-1; HSTF-1; Heparin-binding growth factor 4; HBGF-4; Transforming protein KS3
Protein Family	Fibroblast growth factor
UniProt Gene Name	FGF4
UniProt Synonym Gene Names	HST; HSTF1; KS3
UniProt Entry Name	FGF4_HUMAN
NCBI Protein Information	fibroblast growth factor 4; FGF-4; HSTF-1; oncogene HST; OTTHUMP00000237541; kaposi sarcoma oncogene; transforming protein KS3; heparin-binding growth factor 4; heparin secretory transforming protein 1; heparin secretory-transforming protein 1; fibroblast growth factor 4 splice isoform; human stomach cancer, transforming factor from FGF-related oncogene
NCBI Summary for FGF4	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. This gene was identified by its oncogenic transforming activity. This gene and FGF3, another oncogenic growth factor, are located closely on chromosome 11. Co-amplification of both genes was found in various kinds of human tumors. Studies on the mouse homolog suggested a function in bone morphogenesis and limb development through the sonic hedgehog (SHH) signaling pathway. [provided by RefSeq]
UniProt Comments for FGF4	Function: Can transform NIH 3T3 cells from a human stomach tumor (hst) and from karposi's sarcoma (KS3). It has a mitogenic activity. Subcellular location: Secreted Potential. Sequence similarities: Belongs to the heparin-binding growth factors family.
Research Articles on FGF4	**1.** Observational study of gene-disease association and gene-environment interaction. (HuGE Navigator)

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