

FGF4 Rabbit pAb

Catalog # AP99610

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P08620
Other Accession	P08620
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22048
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FGF4
Epitope Specificity	101-206/206
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the heparin-binding growth factors family.
SUBUNIT	Interacts with FGFR1, FGFR2, FGFR3 and FGFR4. Affinity between fibroblast growth factors (FGFs) and their receptors is increased by heparan sulfate glycosaminoglycans that function as coreceptors.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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].

Additional Information

Gene ID	2249
Other Names	FGF-4; HBGF-4; HST; HST-1; HSTF-1; HSTF1; K-FGF; KFGF; SRTD22; Fgf7a; Fgfk; Hst1; KS3; FGF4_HUMAN; FGF4; Heparin secretory-transforming protein 1 (HST HST-1 HSTF-1); Heparin-binding growth factor 4 (HBGF-4); Transforming protein KS3; FGF4_MOUSE; K-fibroblast growth factor; fibroblast growth factor 4; heparin secretory transforming protein 1; human stomach cancer, transforming factor from FGF-related oncogene; kaposi sarcoma oncogene
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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Protein Information

Name	FGF4 (HGNC:3682)
Function	Plays an important role in the regulation of embryonic development, cell proliferation, and cell differentiation. Required for normal limb and cardiac valve development during embryogenesis. May play a role in embryonic molar tooth bud development via inducing the expression of MSX1, MSX2 and MSX1-mediated expression of SDC1 in dental mesenchyme cells (By similarity).
Cellular Location	Secreted.

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