



Rabbit Anti-FGF4 antibody

SL1256R

Product Name:	FGF4
Chinese Name:	纤维母细胞生长因子4抗体
Alias:	Fibroblast Growth Factor4; Heparin Secretory Transforming Protein 1; Kaposi Sarcoma Oncogene; Fgf-4; Fgfk; Hstf-1; kFGF; KS3;MGC129266; MGC129267; HBGF-4; HST; HST-1; HSTF1; K-FGF; KS3; FGF4_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	19kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FGF4:101-206/206
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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].

Function:

Can transform NIH 3T3 cells from a human stomach tumor (hst) and from karposi's sarcoma (KS3). It has a mitogenic activity.

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.

Subcellular Location:

Secreted.

Similarity:

Belongs to the heparin-binding growth factors family.

SWISS:

P08620

Gene ID:

2249

Database links:

[Entrez Gene: 2249](#)Human

[Entrez Gene: 14175](#)Mouse

[Entrez Gene: 116499](#)Rat

[Omim: 164980](#)Human

[SwissProt: P08620](#)Human

[SwissProt: P11403](#)Mouse

[Unigene: 1755](#)Human

[Unigene: 4956](#)Mouse

[Unigene: 81223](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

transcriptional regulatory factor (Transcription Regulators)

纤维母细胞生长因子4是FGF家族的成员。FGF家族参与一系列的生理功能：胚胎发育、细胞生长、器官形成、组织修复、Tumour生长和侵袭。FGF3/FGF4在很多恶性Tumour中呈高表达，被认为原癌基因之一。

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