

Mouse Anti-FGF4 antibody

SLM-51757M

Product Name	FGF4
Chinese Name	FGF4 单克隆抗体
Alias	Fibroblast Growth Factor4; Heparin Secretary 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.
Research Area	Tumour Cardiovascular Signal transduction Growth factors and hormones
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	M8F12
React Species	Human(predicted:Hamster) WB=1:500-2000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	19kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human FGF4: 41-200/206
Lsotype	IgG1, κ
Purification	affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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:

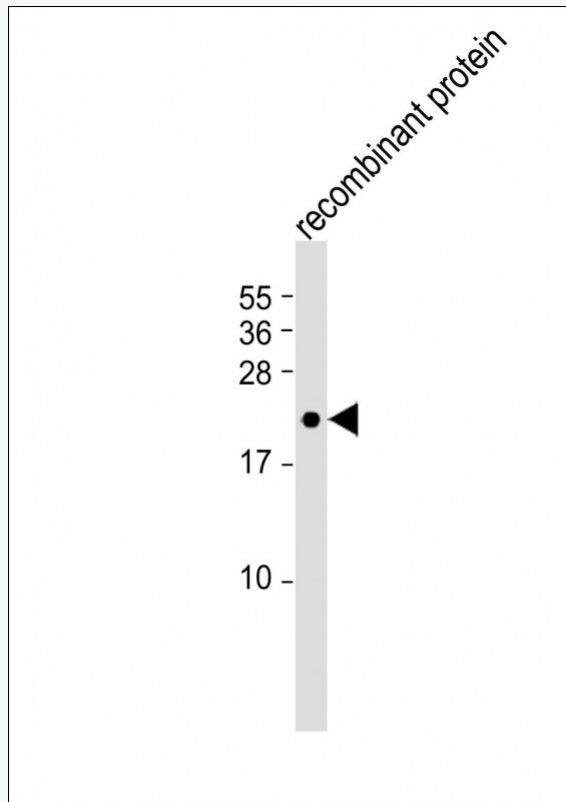
[Entrez Gene: 2249](#) Human

[Entrez Gene: 14175](#) Mouse

[SwissProt: P08620](#) Human

[SwissProt: P11403](#) Mouse

Product Picture



Sample:

Lane 1: FGF4 recombinant protein

Primary: Anti-FGF4 (SLM-51757M) at 1/4000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 19 kD

Observed band size: 22 kD