



Rabbit Anti-FGF8 antibody

SL0735R

Product Name:	FGF8
Chinese Name:	成纤维细胞生长因子8抗体
Alias:	AIGF; Androgen induced growth factor; Androgen-induced growth factor; FGF 8; FGF-8; FGF8; Fibroblast growth factor 8 (androgen induced); Fibroblast growth factor 8 precursor; HBGF 8; HBGF-8; HBGF8; FGF8_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=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:	27kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FGF8:131-233/233
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:	Keratinocyte growth factor precursor (KGF) (Fibroblast growth factor 8; FGF-8; HBGF-8). Stimulates growth of the cells in an autocrine manner. Mediates hormonal action on the growth of cancer cells. Cooperates with Wnt-1 in mouse mammary tumor virus-induced murine mammary tumorigenesis. [Subcellular location] Secreted. [Tissue specificity] Absent in normal mammary glands and detected only in adult testis and

ovary and in midgestational embryos. [Induction] By androgens. Belongs to the heparin-binding growth factors family.

Function:

Stimulates growth of the cells in an autocrine manner. Mediates hormonal action on the growth of cancer cells.

Subunit:

Monomer. Homodimer. 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.

DISEASE:

Defects in FGF8 are the cause of Kallmann syndrome type 6 (KAL6) [MIM:612702]. Kallmann syndrome is a disorder that associates hypogonadotropic hypogonadism and anosmia. Anosmia or hyposmia is related to the absence or hypoplasia of the olfactory bulbs and tracts. Hypogonadism is due to deficiency in gonadotropin-releasing hormone and probably results from a failure of embryonic migration of gonadotropin-releasing hormone-synthesizing neurons. In some patients other developmental anomalies can be present, which include renal agenesis, cleft lip and/or palate, selective tooth agenesis, and bimanual synkinesis. In some cases anosmia may be absent or inconspicuous.

Similarity:

Belongs to the heparin-binding growth factors family.

SWISS:

P37237

Gene ID:

2253

Database links:

[Entrez Gene: 2253](#) Human

[Entrez Gene: 14179](#) Mouse

[Entrez Gene: 29349](#) Rat

[Omim: 600483](#) Human

[SwissProt: P55075](#) Human

[SwissProt: P37237](#) Mouse

[Unigene: 57710](#) Human

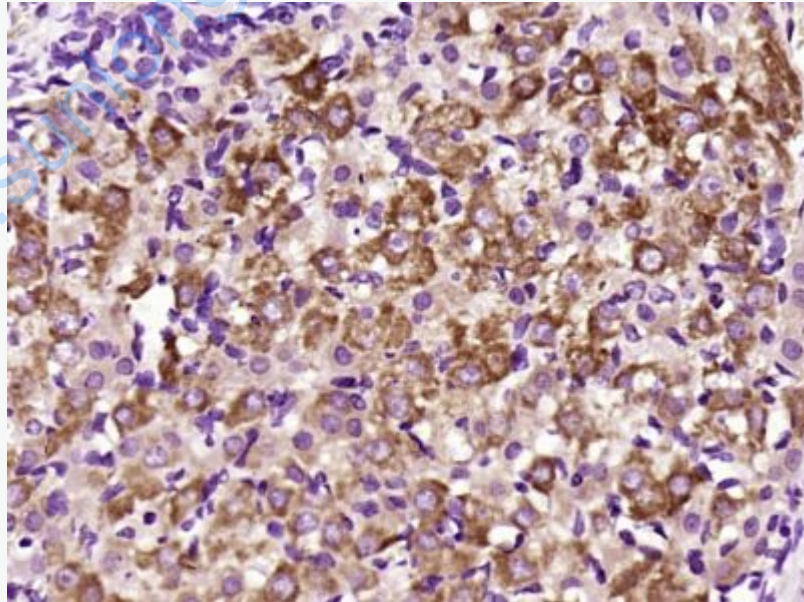
[Unigene: 4012](#) Mouse

[Unigene: 73565](#) Rat

Important Note:

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

有研究者认为:纤维母细胞生长因子8 FGF8 对癌症具有一定的抑制作用。早期研究FGF8, 认为是自分泌生长因子, 它在前列腺癌、乳癌和卵巢癌中常常表现过量表达 (over-expressed), 并与前列腺癌的格里森分数 (Gleason score) 相关联。经过各种细胞和动物模型的实验均支持FGF8在抑制Tumour形成和Tumour细胞成活方面的作用。此外, 还有学者认为:FGF8 还在实验中显示出, 他有改善因Collagen protein引发的关节炎性的改变, 如:风湿性关节炎和类风湿性关节炎及退行性骨性关节炎。



Picture:

Paraformaldehyde-fixed, paraffin embedded (Rat ovary); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C

for 30min; Antibody incubation with (FGF8) Polyclonal Antibody, Unconjugated (SL0735R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

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