

Rabbit Anti-KGF antibody

SL0734R

Product Name KGF

Chinese Name 纤维母细胞生长因子 7 抗体

Alias FGF 7; FGF7; FGF-7; Fibroblast Growth Factor 7;HBGF 7; HBGF7; HBGF-7;
Keratinocyte growth factor precursor; Heparin binding growth factor 7; Keratinocyte
Growth Factor; FGF7_HUMAN; Heparin-binding growth factor 7.

Research Area Tumour immunology Signal transduction Growth factors and hormones

Immunogen Species Rabbit

Clonality Polyclonal

React Species Rat (predicted:Human,Mouse,Chicken,Dog,Pig,Sheep)

Applications IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen
repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 18kDa

Cellular localization Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human KGF: 101-194/194

Lsotype IgG

Purification affinity purified by Protein A

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](#)

KGF 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 protein is a potent epithelial cell specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. Studies of mouse and rat homologs of this gene implicated roles in morphogenesis of epithelium, reepithelialization of wounds, hair development and early lung organogenesis.

Function:

Plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation. Required for normal branching morphogenesis. Growth factor active on keratinocytes. Possible major paracrine effector of normal epithelial cell proliferation.

Subunit:

Interacts with FGFBP1. Interacts with FGFR2. Affinity between fibroblast growth factors (FGFs) and their receptors is increased by heparan sulfate glycosaminoglycans that function as coreceptors.

Subcellular Location:

Secreted.

Tissue Specificity:

Epithelial cell.

Similarity:

Belongs to the heparin-binding growth factors family.

SWISS:

P21781

Gene ID:

2252

Database links:

[Entrez Gene: 2252](#) Human

[Entrez Gene: 14178](#) Mouse

[Entrez Gene: 29348](#) Rat

[Omim: 148180](#) Human

**Product
Detail**

[SwissProt: P21781](#) Human

[SwissProt: P36363](#) Mouse

[SwissProt: Q02195](#) Rat

[Unigene: 567268](#) Human

[Unigene: 330557](#) Mouse

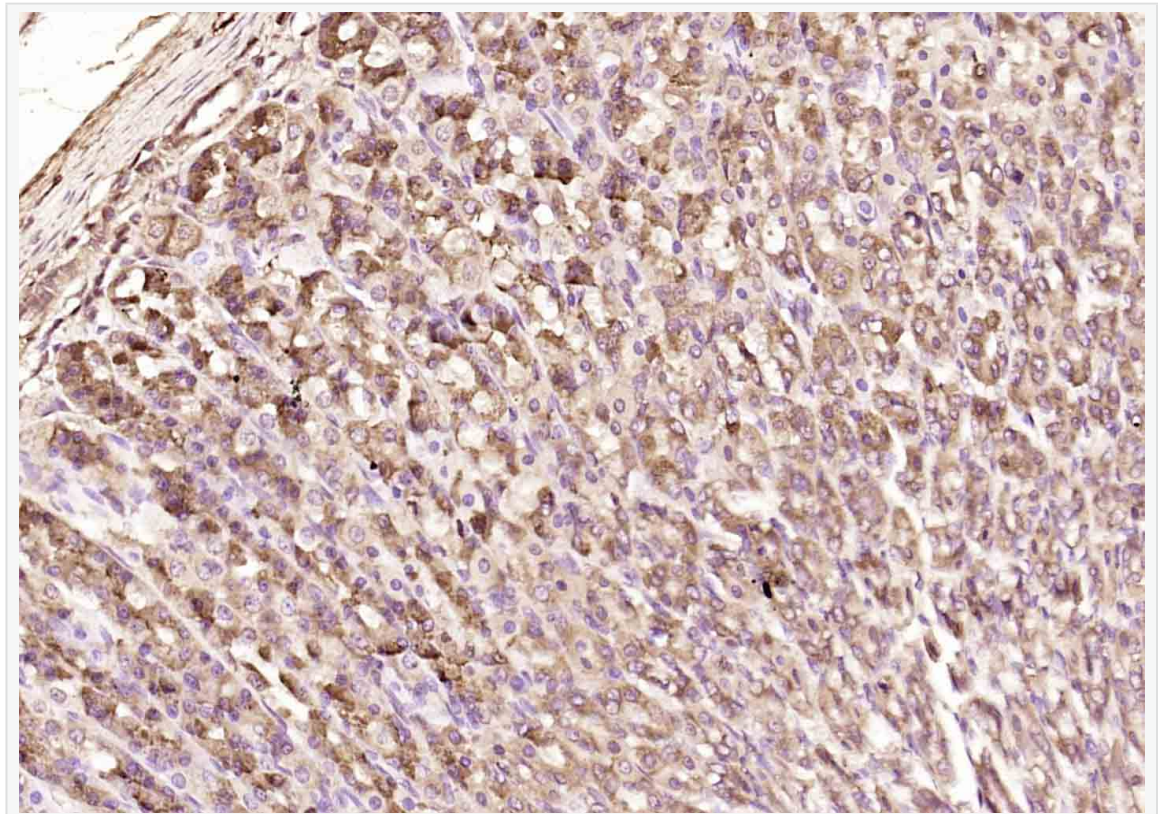
[Unigene: 98842](#) Rat

KGF/FGF7 (Fibroblast growth factor 7) 又称：HBGF-7 纤维母细胞生长因子 7，是 FC 家族的主要成员之一。

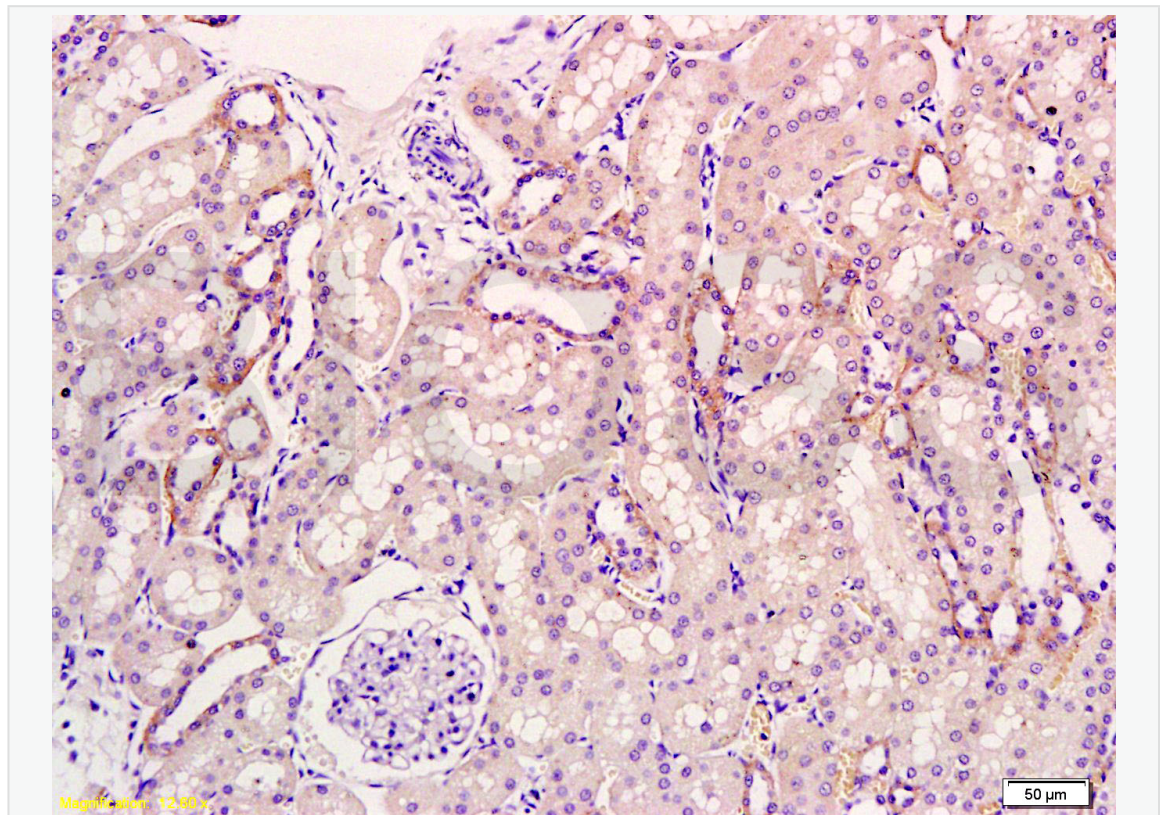
FGF 家族参与细胞生长、组织修复、胚胎生长发育、组织器官的形成、Tumour 的生长和浸润等诸多生理病理功能。

成纤维细胞生长因子 7 的促增生作用主要来源于角化 epithelial cells 而不是间质细胞和 endothelial cells，因此人们又称之为：角化 epithelial cells 生长因子（KGF）。

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (rat stomach); 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 (KGF) Polyclonal Antibody, Unconjugated (SL0734R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal



goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-KGF/FGF7 Polyclonal Antibody, Unconjugated(SL0734R) 1:300,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and
DAB(C-0010) staining