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Rabbit Anti-KGF/PE Conjugated antibody

SL0734R-PE

Product Name	Anti-KGF/PE
Chinese Name	PE 标记的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	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	18kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from humna KGF
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** 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.

Database links:

Entrez Gene: 2252 Human

Entrez Gene: 14178 Mouse

Entrez Gene: 29348 Rat

Omim: 148180 Human

SwissProt: P21781 Human

SwissProt: P36363 Mouse

SwissProt: Q02195 Rat

Unigene: 567268 Human

Unigene: 330557 Mouse

Unigene: 98842 Rat

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

KGF/FGF7 (Fibroblast growth factor 7) 又称：HBGF-7 纤维母细胞生长因子 7，是 FGF 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 的生长和侵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）。