

KGF Rabbit pAb

Catalog # AP98439

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P21781
Other Accession	P21781
Reactivity	Rat
Predicted	Pig, Human, Mouse, Chicken, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22509
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KGF
Epitope Specificity	101-194/194
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the heparin-binding growth factors family.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	2252
Other Names	FGF7_HUMAN; FGF7; FGF-7; Heparin-binding growth factor 7 (HBGF-7); Keratinocyte growth factor; KGF; FGF7_MOUSE; Keratinocyte growth factor (KGF); FGF7_RAT; fibroblast growth factor 7; fibroblast growth factor 7 (keratinocyte growth factor)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	FGF7
Synonyms	KGF
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.
Cellular Location	Secreted.
Tissue Location	Epithelial cell.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.