SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-KGF antibody

Catalog Number: SL22743R

FOR RESEARCH USE ONLY

[DATASHEET]

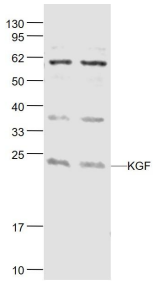
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	KGF
Immunogen:	KLH conjugated synthetic peptide derived from human KGF: 32-110/194
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse, Rat, (predicted: Human, Dog, Pig, Cow, Horse, Rabbit)
Predicted MW.:	18kDa
Subcellular Location:	Secretory protein
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

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

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	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 KGF/FGF7 (Fibroblast growth factor 7), also known as HBGF-7 fibroblast growth factor 7, is one of the major members of the FGF family. The FGF family is involved in many physiological and pathological functions such as cell growth, tissue repair, embryonic growth and development, tissue and organ formation, and Tumour growth and invasion. The proliferation-promoting effect of fibroblast growth factor 7 mainly originates from keratinized epithelial cells rather than mesenchymal cells and endothelial cells, so it is also called keratinized epithelial cell growth factor (KGF).

[VALIDATION IMAGES]



Sample:
Cerebrum (Mouse) Lysate at 40 ug
Cerebrum (Rat) Lysate at 40 ug
Primary: Anti-KGF (SL22743R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 28/23 kD
Observed band size: 23 kD

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