

## ARG56795 anti-KGF antibody (Biotin)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes KGF
Tested Reactivity	Hu, Rat
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KGF
Species	Human
Immunogen	E.coli derived Recombinant Human KGF. (CNDMTPEQMA TNVNCSSPER HTRSYDMEG GDIRVRRFLC RTQWYLRIK RGKVKGTQEM KNNYNIMEIR TVAVGIVAIAK GVESEFYLAM NKEGKLYAKK ECNEDCNFKE LILENHNTY ASAKWTHNGG EMFVALNQKG IPVRGKKTCK EQKTAHFLPM AIT)
Conjugation	Biotin
Alternate Names	FGF-7; Fibroblast growth factor 7; Heparin-binding growth factor 7; KGF; Keratinocyte growth factor; HBGF-7

### Application Instructions

Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56686 as a capture antibody
	WB	0.1 - 0.2 µg/ml

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

### Database links

[GeneID: 2252 Human](#)

[GeneID: 29348 Rat](#)

[Swiss-port # P21781 Human](#)

[Swiss-port # Q02195 Rat](#)

### Gene Symbol

FGF7

### Gene Full Name

fibroblast growth factor 7

### Background

The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]

### 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. [UniProt]

### Calculated Mw

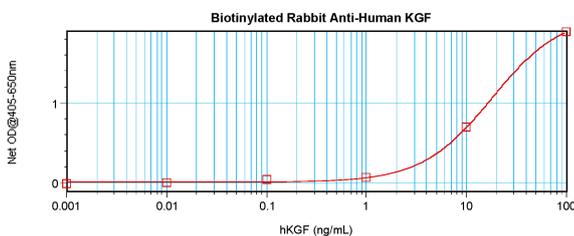
23 kDa

## Images



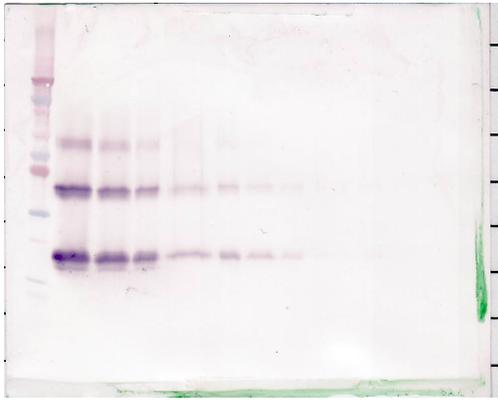
ARG56795 anti-KGF antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Human KGF stained with ARG56795 anti-KGF antibody (Biotin), under reducing conditions.



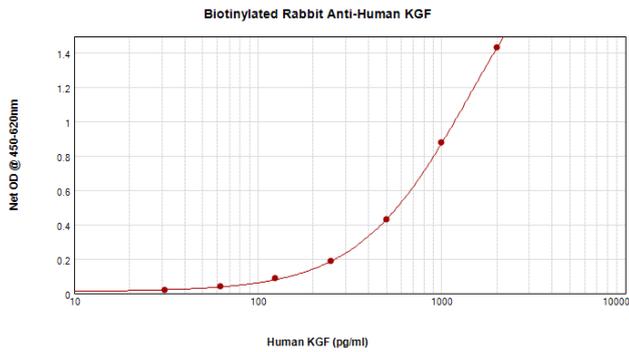
ARG56795 anti-KGF antibody (Biotin) standard curve image

Direct ELISA: ARG56795 anti-KGF antibody (Biotin) at 0.25 - 1.0  $\mu$ g/ml results of a typical standard run with optical density.



ARG56795 anti-KGF antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Human KGF stained with ARG56795 anti-KGF antibody (Biotin), under non-reducing conditions.



ARG56795 anti-KGF antibody (Biotin) standard curve image

Sandwich ELISA: ARG56795 anti-KGF antibody (Biotin) as a detection antibody at 0.25 - 1.0  $\mu\text{g}/\text{ml}$  combined with ARG56686 anti-KGF antibody as a capture antibody. Results of a typical standard run with optical density.