



Anti-Human FGF-7 (KGF) (#3K75)

20230310DS



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	101-M728
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of KGF (also called FGF-7).

Target Background

Synonyms (Target):	KGF; FGF7; FGF-7
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The FGF family is comprised of at least nine polypeptides that show a variety of biological activities toward cells of mesenchymal, neuronal and epithelial origin. All FGFs have two conserved cysteine residues and share 30 - 50% sequence identity at the amino acid level. KGF/FGF-7 was originally isolated from the conditioned medium of a human embryonic lung fibroblast cell line as a mitogen that is specific for epithelial cells. The transcript for KGF/FGF-7 can be detected in stromal but not epithelial cells from various epithelial tissues. It has been proposed that KGF is a mesenchymal cell-derived paracrine growth factor that specifically stimulates epithelial cell growth. The KGF cDNA encodes a 194 amino acid precursor protein from which the N-terminal 31 amino acid residues are cleaved to generate the mature KGF. Human KGF exhibits species cross-reactivity and is active on mouse, monkey, and porcine cells. A high affinity receptor for KGF has been cloned and shown to be an alternatively spliced isoform of FGF R2/bek. Whereas FGF R2 binds FGF acidic and FGF basic but not KGF with high affinity, the alternately spliced KGF/FGF-7 R can bind KGF and FGF acidic with high affinity.

Database References Target

Protein RefSeq:	NP_002000
Uniprot ID:	P21781
mRNA RefSeq:	NM_002009

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#3K75)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	Recombinant human FGF-7 (KGF)
Formulation	lyophilized
Reconstitution buffer	PBS

Application/Handling

Reconstitution: Centrifuge vial prior to opening. Reconstitute the antibody with 500 µl sterile PBS and the final concentration is 200 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:

N, Capture Ab

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!