

## Product datasheet for **TA321422S**

### **KGF (FGF7) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 179-182 amino acids of Human Fibroblast growth factor 7
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23 kDa
Gene Name:	fibroblast growth factor 7
Database Link:	<a href="#">NP_002000</a> <a href="#">Entrez Gene 14178 Mouse</a> <a href="#">Entrez Gene 29348 Rat</a> <a href="#">Entrez Gene 2252 Human</a> <a href="#">P21781</a>



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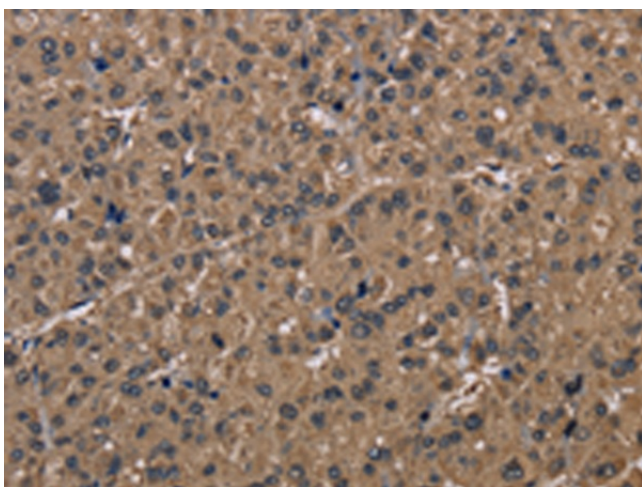
**Background:** The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities; and are involved in a variety of biological processes; including embryonic development; cell growth; morphogenesis; tissue 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.

**Synonyms:** HBGF-7; KGF

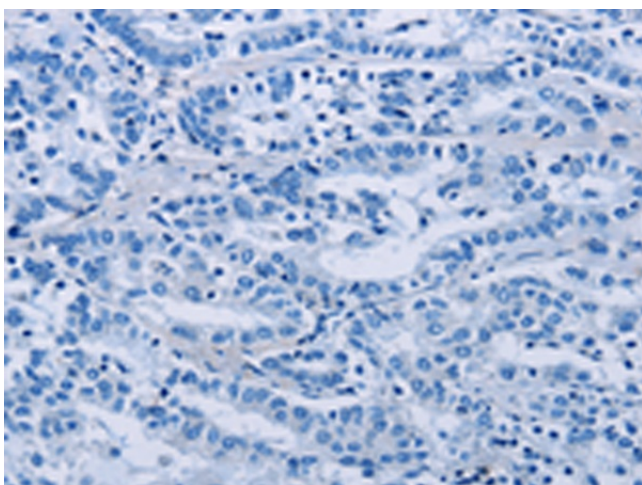
**Protein Families:** Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein

**Protein Pathways:** MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

### Product images:



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA321422] (FGF7 Antibody) at dilution 1/30 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA321422] (FGF7 Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification:  $\times 200$ )