

## Product datasheet for **PP1040B1**

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

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, WB
<b>Recommended Dilution:</b>	ELISA: To detect hKGF by direct ELISA (using 100 µl/well antibody solution) this antibody can be used at a concentration of 0.15 - 0.30 µg/ml. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2 ng/well of recombinant hKGF. Western Blot: To detect hKGF by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hKGF is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Highly pure (>98%) recombinant hKGF (human KGF).
<b>Specificity:</b>	Reacts with Human KGF
<b>Formulation:</b>	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized purified Ig fraction. Label: conjugated
<b>Reconstitution Method:</b>	Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
<b>Purification:</b>	Affinity chromatography.
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: One year from despatch.
<b>Gene Name:</b>	fibroblast growth factor 7
<b>Database Link:</b>	<a href="#">Entrez Gene 2252 Human P21781</a>



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**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.

**Synonyms:**

Keratinocyte growth factor, Fibroblast growth factor 7, HBGF7

**Note:**

Centrifuge vial prior to opening!