



## Product Information Sheet

### Polyclonal Anti- Fibroblast growth factor 7, **FGF7**

**Catalogue No.** PA1371

**Lot No.** 0131112017127

**Ig type** rabbit IgG

**Size** 100µg/vial

**Specificity**

Human.

No cross reactivity with other proteins.

**Recommended application**

*Western blot*

*Immunohistochemistry(P)*

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminal of human FGF7 (51-65aa), identical to the related mouse and rat sequence..

**Purity**

Immunogen affinity purified.

**Application**

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu	-	-
IHC-P	1µg/ml	Hu	-	By Heat
IHC-F	-	-	-	-
ICC	-	-	-	-

**WB: The detection limit for FGF7 is approximately 5ng/lane under non-reducing and reducing conditions.**

*Other applications have not been tested.*

*Optimal dilutions should be determined by end user.*

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Reconstitution**

0.2ml of distilled water will yield a concentration of 500µg/ml.

**Storage**

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

**To reorder contact us at:**

**Antagene, Inc.**

**Toll Free: 1(866)964-2589**

**email: Info@antageneinc.com**

## BACKGROUND

Keratinocyte growth factor is a protein that in humans is encoded by the FGF7 gene. 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.

**FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.**

## **REFERENCE**

1. Mattei MG, deLapeyriere O, Bresnick J, Dickson C, Birnbaum D, Mason I (Jun 1995). "Mouse Fgf7 (fibroblast growth factor 7) and Fgf8 (fibroblast growth factor 8) genes map to chromosomes 2 and 19 respectively". *Mamm Genome* 6 (3): 196–7.
2. Kelley MJ, Pech M, Seuanez HN, Rubin JS, O'Brien SJ, Aaronson SA (Nov 1992). "Emergence of the keratinocyte growth factor multigene family during the great ape radiation". *Proc Natl Acad Sci U S A* 89 (19): 9287–91.