



Product Information Sheet

Polyclonal Anti- Fibroblast growth factor 7, *FGF7* (Magnetic Bead Conjugate)

Catalogue No. PA1371-M

Lot No. 0131112017127

Ig type rabbit IgG

Size 100µg/vial

Specificity

Human.

No cross reactivity with other proteins.

Recommended application

ImmunoPrecipitation (IP)

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.

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Storage

Store at 4 °C for frequent use.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation.

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.

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): 196–72. Kelley MJ, Pech M, Seuanes 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.