

Anti-Fibroblast growth factor 1 FGF1 Antibody Picoband® Biotin Conjugated

Catalog Number: RP1005-Biotin

About FGF1

Fibroblast growth factor 1 (acidic), also known as FGF1/ECGF/HBGF1, is a human gene which is mapped to 5q31. Human FGF1 shares 96% amino acid sequence homology with both rat and mouse. 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 functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Additionally, Acidic fibroblast growth factor is derived from beta-endothelial cell growth factor (ECGFB) by posttranslational processing. Alpha-ECGF is also derived from ECGFB in the same manner.

Overview

Product Name	Anti-Fibroblast growth factor 1 FGF1 Antibody Picoband® Biotin Conjugated
Reactive Species	Human
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P05230

Technical Details

Immunogen	E. coli-derived human FGF1 recombinant protein (Position: F16-D155).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental

requirements.

2 Publications Citing This Product

1. PubMed ID: 25667662, Zhang L, Wang H, Wang T, Jiang N, Yu P, Chong Y, Fu F. Exp Ther Med. 2015 Mar;9(3):972-976. Epub 2014 Dec 24. Ferulic Acid Ameliorates Nerve Injury Induced By Cerebral Ischemia In Rats.

2. PubMed ID: 21461910, Zhou Y, Ren L, Zhu J, Yan S, Wang H, Song N, Li L, Ouyang H, Pang D. Mol Cell Biochem. 2011 Aug;354(1-2):39-46. Doi: 10.1007/S11010-011-0803-8. Epub 2011 Apr 3. Construction Of A Recombinant Human Fgf1 Expression Vector For Mammary Gland-Specific ...

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