

Anti-FGF1 Antibody Picoband™

Catalog Number: PB9241

About FGF1

Fibroblast growth factor 1 (acidic), also known as FGF1/ECGF/HBGF1, is a human gene which is mapped to 5q31. 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. Acidic fibroblast growth factor is derived from beta-endothelial cell growth factor (ECGFB) by posttranslational processing. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor.

Overview

Product Name	Anti-FGF1 Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-FGF1 Antibody Picoband™ catalog # PB9241. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P05230

Technical Details

Immunogen	E.coli-derived human FGF1 recombinant protein (Position: N22-L146). Human FGF1 shares 97% amino acid (aa) sequence identity with both mouse and rat FGF1.
Predicted Reactive Species	Bovine, Hamster, Horse, Monkey, Rabbit
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human</p>

Anti-FGF1 Antibody Picoband™ (PB9241) Images



Anti-FGF1 antibody, PB9241, Western blotting
All lanes: Anti FGF1 (PB9241) at 0.5ug/ml
WB: Recombinant Human FGF1 Protein 0.5ng
Predicted bind size: 36KD
Observed bind size: 36KD

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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