

## Anti-FGF1 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB9241-Fluoro647

### 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® Fluoro647 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
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.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

## 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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