

Anti-FGF2 Antibody Picoband®

Catalog Number: PB9587

About FGF2

FGF2 has been implicated in a multitude of physiologic and pathologic processes, including limb development, angiogenesis, wound healing, and tumor growth. Human FGF2 shares 96% and 97% amino acid sequence homology with mouse and rat respectively. FGF2 belongs to the fibroblast growth factor (FGF) family. Fibroblast growth factors (FGFs) exhibit widespread mitogenic and neurotrophic activities. Nine members of the family are currently known, and FGF-1 and FGF-2 are present in relatively high levels in CNS. FGF-2 is expressed by at low levels in many tissues and cell types and reaches high concentrations in brain and pituitary.

Overview

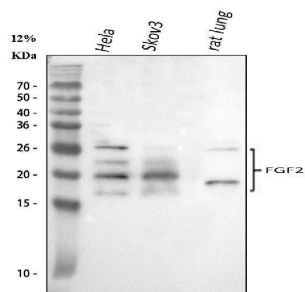
Product Name	Anti-FGF2 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-FGF2 Antibody Picoband® catalog # PB9587. Tested in WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
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	P09038

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human FGF2, different from the related mouse and rat sequences by one amino acid.
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	Western blot, 0.1-0.5ug/ml, Human, Rat

Anti-FGF2 Antibody Picoband® (PB9587) Images



Western blot analysis of FGF2 using anti-FGF2 antibody (PB9587). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HeLa whole cell lysates, Lane 2: human SKOV3 whole cell lysates, Lane 3: rat liver tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-FGF2 antigen affinity purified polyclonal antibody (Catalog # PB9587) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for FGF2 at approximately 18, 20 kDa. The expected band size for FGF2 is at 18, 22, 30 kDa.

6 Publications Citing This Product

1. PubMed ID: 25999285, Wang J, Wang Z, Yao Y, Wu J, Tang X, Gu T, Li G. Tuberculosis (Edinb). 2015 Jul;95(4):505-14. Doi: 10.1016/J.Tube.2015.04.006. Epub 2015 May 9. The Fibroblast Growth Factor-2 Arrests Mycobacterium Avium Sp. Paratuberculosis Growth And Immunomodula...
2. PubMed ID: 26352430, Astragalosides promote angiogenesis via vascular endothelial growth factor and basic fibroblast growth factor in a rat model of myocardial infarction
3. PubMed ID: 26870239, Effect of CPU-XT-008, a combretastatin A-4 analogue, on the proliferation, apoptosis and expression of vascular endothelial growth factor and basic fibroblast growth factor in human umbilical vein endothelial cells

Visit bosterbio.com/anti-fgf2-picoband-trade-antibody-pb9587-boster.html to see all 6 publications.

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Anti-FGF2 Antibody

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