

Anti-FGFR1 Antibody Picoband®

Catalog Number: PA1477

About FGFR1

FGFR1, Fibroblast growth factor receptor 1, also known as basic fibroblast growth factor receptor 1, fms-related tyrosine kinase-2/Pfeiffer syndrome, and CD331, is a receptor tyrosine kinase whose ligands are specific members of the fibroblast growth factor family. The FGFR1 gene is localized to 8p12-p11.2 by in situ hybridization. FGFR1 is essential for the normal formation of the organ of Corti and that phenotype severity observed in FGFR1 mutants is dependent on the dose of FGFR1. Mutations in this gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, squamous cell lung cancer and autosomal dominant Kallmann syndrome 2.

Overview

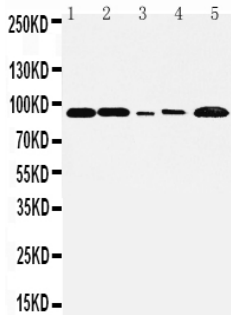
Product Name	Anti-FGFR1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-FGFR1 Antibody catalog # PA1477. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	P11362

Technical Details

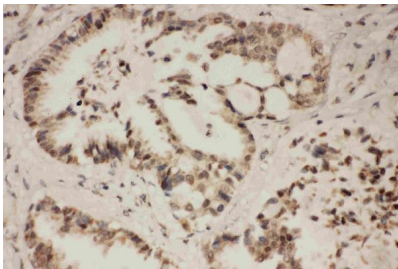
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human FGFR1, different from the related mouse sequence by two amino acids and rat sequence by three amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

Anti-FGFR1 Antibody Picoband® (PA1477) Images



Anti-FGFR1 antibody, PA1477, Western blotting
Lane 1: Rat Liver Tissue Lysate
Lane 2: Rat Brain Tissue Lysate
Lane 3: SMMC Cell Lysate
Lane 4: HT1080 Cell Lysate
Lane 5: MM231 Cell Lysate



Anti-FGFR1 antibody, PA1477, IHC(P)
IHC(P): Human Lung Cancer Tissue

5 Publications Citing This Product

1. PubMed ID: 31028291, Zhang JJ, Zhou XH, Zhou Y, Wang YG, Qian BZ, He AN, Shen Z, Hu HY, Yao Y. Bufalin suppresses the migration and invasion of prostate cancer cells through HOTAIR, the sponge of miR-520b. *Acta Pharmacol Sin.* 2019 Sep;40(9):1228-1236. doi:10.1038/s41401-019-0234-8. Epub 2019 Apr 26. PMID:31028291; PMCID:PMC6786369.

2. PubMed ID: 32801884, Chen Y, Zhang S, Bai C, Guan Z, Chen W. Circ_0000885 Enhances Osteosarcoma Progression by Increasing FGFR1 Expression via Sponging MiR-1294. *Cancer Manag Res.* 2020 Jul 28;12:6441-6452. doi:10.2147/CMAR.S244382. PMID:32801884; PMCID:PMC7395693.

3. PubMed ID: 21615804, Lin J, Jia Y, Zeng W, Mi Y, Zhang C. *Reprod Domest Anim.* 2012 Feb;47(1):135-42. Doi: 10.1111/J.1439-0531.2011.01813.X. Epub 2011 May 26. Basic Fgf Promotes Proliferation Of Ovarian Granulosa Cells In The Laying Chickens Via Fgfr1 And Pkc Pathway.

Visit bosterbio.com/anti-fgfr1-antibody-pa1477-boster.html to see all 5 publications.

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Anti-FGFR1 Antibody

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