

Anti-FGFR1 Antibody

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

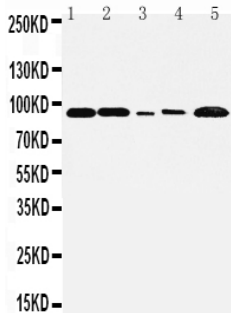
Product Name	Anti-FGFR1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-FGFR1 Antibody catalog # PA1477. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 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	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.
Predicted Reactive Species	Bovine
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.

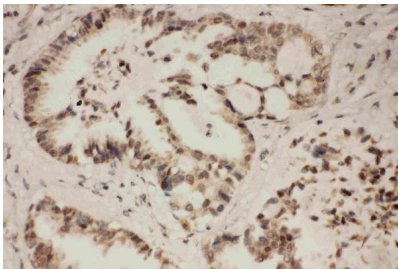
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio 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>Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse, By Heat</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

Anti-FGFR1 Antibody (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.

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