

## Anti-Fibroblast growth factor 22 FGF22 Antibody Picoband®

Catalog Number: PA1455

### About FGF22

FGF22, Fibroblast growth factor 22, is a protein which in humans is encoded by the FGF22 gene. The FGF22 sequence in a genomic clone is assigned to 19p13.3. 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. In situ hybridization demonstrated expression in the inner root sheath of the hair follicle. FGF22 is involved in hair development.

### Overview

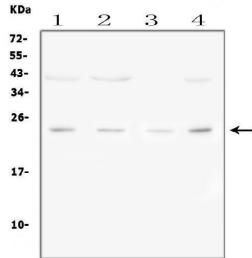
Product Name	Anti-Fibroblast growth factor 22 FGF22 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Fibroblast growth factor 22 FGF22 Antibody catalog # PA1455. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this 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	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . *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	Q9HCT0

### Technical Details

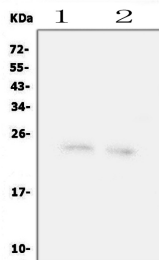
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human FGF22, different from the related mouse and rat sequences by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	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, Mouse

## Anti-Fibroblast growth factor 22 FGF22 Antibody Picoband® (PA1455) Images



Western blot analysis of FGF22 using anti-FGF22 antibody (PA1455). 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 50ug of sample under reducing conditions. Lane 1: human K562 whole cell lysates, Lane 2: human Caco-2 whole cell lysates, Lane 3: human U-87MG whole cell lysates, Lane 4: human PC-3 whole cell lysates, After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-FGF22 antigen affinity purified polyclonal antibody (Catalog # PA1455) 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 1:10000 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 FGF22 at approximately 24KD. The expected band size for FGF22 is at 20KD.



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Anti-Fibroblast growth factor 22 FGF22 Antibody

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