

## Anti-FGF23 Antibody Picoband®

Catalog Number: PB9868

### About Fgf23

Fibroblast growth factor 23 or FGF23 is a protein that in humans is encoded by the FGF23 gene. This gene encodes a member of the fibroblast growth factor family of proteins, which possess broad mitogenic and cell survival activities and are involved in a variety of biological processes. The product of this gene regulates phosphate homeostasis and transport in the kidney. The full-length, functional protein may be deactivated via cleavage into N-terminal and C-terminal chains. Mutation of this cleavage site causes autosomal dominant hypophosphatemic rickets (ADHR). Mutations in this gene are also associated with hyperphosphatemic familial tumoral calcinosis (HFTC).

### Overview

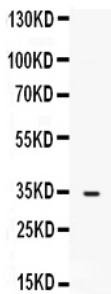
Product Name	Anti-FGF23 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-FGF23 Antibody Picoband® catalog # PB9868. Tested in WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, 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, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , and 0.05 mg 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	Q9EPC2

### Technical Details

Immunogen	E. coli-derived mouse FGF23 recombinant protein (Position: R48-V251). Mouse FGF23 shares 71.1% and 94.6% amino acid (aa) sequence identity with human and rat FGF23, respectively.
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, Mouse

## Anti-FGF23 Antibody Picoband® (PB9868) Images



Western blot analysis of FGF 23 using anti-FGF 23 antibody (PB9868). 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: mouse testis 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-FGF 23 antigen affinity purified polyclonal antibody (Catalog # PB9868) 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 FGF 23 at approximately 34 kDa. The expected band size for FGF 23 is at 28 kDa.

## 1 Publications Citing This Product

1. PubMed ID: 29399058, Ji KB, Ling L, Zhang Q, Chou JJ, Yang XL, Wang ZH, Yin L, Wu SF, Yu YF. Exp Ther Med. 2018 Jan;15(1):139-144. doi: 10.3892/etm.2017.5408. Epub 2017 Oct 31. MicroRNA-296 mediated corneal neovascularization in an animal model of corneal burns after ...

Visit [bosterbio.com/anti-fgf23-picoband-trade-antibody-pb9868-boster.html](http://bosterbio.com/anti-fgf23-picoband-trade-antibody-pb9868-boster.html) to see all 1 publications.

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-FGF23 Antibody

For Research Use Only. Not for use in diagnostic procedures.