

Anti-FGF23 Antibody Picoband® Fluoro550 Conjugated

Catalog Number: PB9868-Fluoro550

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® Fluoro550 Conjugated
Reactive Species	Mouse
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
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.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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 ...

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