BOSTER BIOLOGICAL TECHNOLOGY
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Anti-GDF15 Antibody Picoband®

Catalog Number: A01583-1

About GDF15

Growth/differentiation factor 15 (GDF15) is a protein belonging to the transforming growth factor beta superfamily that has a role in regulating inflammatory and apoptotic pathways in injured tissues and during disease processes. GDF15 is also known as TGF-PL, MIC-1, PDF, PLAB, and PTGFB. GDF15 mRNA is most abundant in the liver, with lower levels seen in some other tissues. Its expression in liver can be significantly up-regulated in during injury of organs such as liver, kidney, heart and lung.

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Overview

Product Name	Anti-GDF15 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-GDF15 Antibody Picoband® catalog # A01583-1. Tested in ELISA, WB applications. This antibody reacts with Human. 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, ELISA (Cap)
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na2HPO4, and 0.05 mg NaN3. *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	Q99988

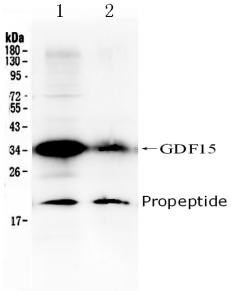
Technical Details

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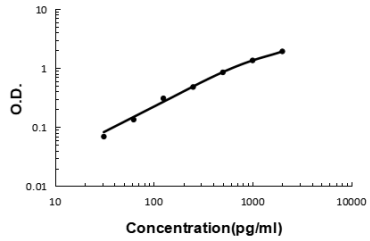
Immunogen	E.coli-derived human GDF15 recombinant protein (Position: A195-I308). Human GDF15 shares 68.1% and 69.2% amino acid (aa) sequence identity with mouse and rat GDF15, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for 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, Human ELISA(Cap), 1-5 ug/ml, Human

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Anti-GDF15 Antibody Picoband® (A01583-1) Images



Western blot analysis of GDF15 using anti-GDF15 antibody (A01583-1). 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: 22RV whole Cell lysates, Lane 2: human placenta tissue 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-GDF15 antigen affinity purified polyclonal antibody (Catalog # A01583-1) 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 GDF15 at approximately 34KD. The expected band size for GDF15 is at 34KD.



Sandwich ELISA - Recombinant human GDF-15 protein standard curve. Use in combination with reagents from Human GDF-15 ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ0767).

Anti-GDF15 Antibody

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