

Anti-IGFBP3 Antibody Picoband®

Catalog Number: A00435-2

About IGFBP3

IGFBP3, Insulin-like growth factor-binding protein 3, is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. IGFBP3 is located on chromosome 7. The protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Overview

Product Name	Anti-IGFBP3 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-IGFBP3 Antibody Picoband® catalog # A00435-2. 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 Na ₂ HPO ₄ , and 0.05 mg NaN ₃ . *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	P17936

Technical Details

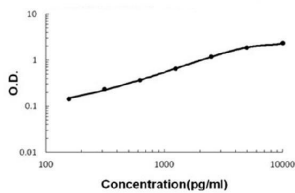
Immunogen	E. coli-derived human IGFBP3 recombinant protein (Position: A29-K267).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.

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), 1-5ug/ml, human

Anti-IGFBP3 Antibody Picoband® (A00435-2) Images



Western blot analysis of IGFBP3 using anti-IGFBP3 antibody (A00435-2). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. Lane 1: recombinant human IGFBP3 protein 1ng. 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-IGFBP3 antigen affinity purified polyclonal antibody (Catalog # A00435-2) at 0.5 ug/mL overnight at 4 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 IGFBP3 at approximately 37KD. The expected band size for IGFBP3 is at 29KD.



Sandwich ELISA - Recombinant human IGFBP3 protein standard curve. Use in combination with reagents from Human IGFBP3 ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ0386).

1 Publications Citing This Product

1. PubMed ID: 28760781, Correlation between insulin-like growth factor binding protein 3 and metastasis-associated gene 1 protein in esophageal squamous cell carcinoma

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Anti-IGFBP3 Antibody

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