

Anti-IGFBP3 Antibody Picoband™

Catalog Number: A00435-3

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	Rat
Description	Boster Bio Anti-IGFBP3 Antibody Picoband™ catalog # A00435-3. Tested in ELISA, WB applications. This antibody reacts with Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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	Igfbp3: P15473

Technical Details

Immunogen	E. coli-derived rat IGFBP3 recombinant protein (Position: A29-K268).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross reactivity with other proteins.
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used Western blot, 0.1-0.5 µg/ml, Rat Direct ELISA, 0.1-0.5 µg/ml, Rat</p> <p>For protocols please visit https://www.bosterbio.com/protocol-and-troubleshooting/</p>

Anti-IGFBP3 Antibody Picoband™ (A00435-3) Images

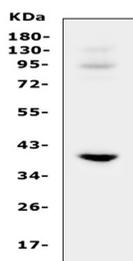


Figure 1. Western blot analysis of IGFBP3 using anti-IGFBP3 antibody (A00435-3). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50µg of sample under reducing conditions. Lane 1: rat heart tissue 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-IGFBP3 antigen affinity purified polyclonal antibody (Catalog # A00435-3) at 0.5 µg/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 40KD. The expected band size for IGFBP3 is at 32KD.

Submit a product review to Biocompare.com

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



Anti-IGFBP3 Antibody™