

Anti-Thrombospondin 2/THBS2 Antibody Picoband™

Catalog Number: A03253-1

About Thbs2

Thrombospondin-2 (THBS2) is a protein that in humans is encoded by the THBS2 gene. The protein encoded by this gene belongs to the thrombospondin family. The THBS2 is mapped to 6q27 and it is located on chromosome 17. The gene was transcribed in fibroblasts, smooth muscle cells, and an osteosarcoma cell line. It functions as a protein inhibitor of tumor growth and angiogenesis and modulates the cell surface properties of mesenchymal cells and be involved in cell adhesion and migration.

Overview

| | |
|----------------------|---|
| Product Name | Anti-Thrombospondin 2/THBS2 Antibody Picoband™ |
| Reactive Species | Mouse, Rat |
| Description | Boster Bio Anti-Thrombospondin 2/THBS2 Antibody Picoband™ catalog # A03253-1. Tested in WB applications. This antibody reacts with Mouse, Rat. |
| Application | WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains 4mg Trehalose, 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 | Q03350 |

Technical Details

| | |
|-------------------------------|--|
| Immunogen | A synthetic peptide corresponding to a sequence at the N-terminus of mouse Thrombospondin 2, which shares 86.6% amino acid (aa) sequence identity with human Thrombospondin 2. |
| 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

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Western blot, 0.1-0.5ug/ml

Anti-Thrombospondin 2/THBS2 Antibody Picoband™ (A03253-1) Images

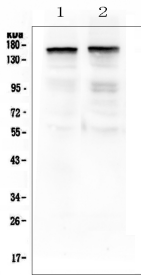


Figure 1. Western blot analysis of Thrombospondin 2 using anti-Thrombospondin 2 antibody (A03253-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: rat brain tissue lysates,

Lane 2: mouse brain 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-Thrombospondin 2 antigen affinity purified polyclonal antibody (Catalog # A03253-1) 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 Thrombospondin 2 at approximately 160KD. The expected band size for Thrombospondin 2 is at 130KD.

1 Publications Citing This Product

1. PubMed ID: 10.1038/s41598-017-08835-9, Reactive oxygen species-mediated switching expression of MMP-3 in stromal fibroblasts and cancer cells during prostate cancer progression

Visit bosterbio.com/anti-thrombospondin-2-picoband-trade-antibody-a03253-1-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-Thrombospondin 2/THBS2 Antibody™