BOSTER BIOLOGICAL TECHNOLOGY
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Anti-THYN1 Antibody Picoband®

Catalog Number: A13785-1

About THYN1

This gene encodes a protein that is highly conserved among vertebrates and plant species and may be involved in the induction of apoptosis. Alternatively spliced transcript variants encoding different isoforms have been described.

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Overview

Product Name	Anti-THYN1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-THYN1 Antibody Picoband® catalog # A13785-1. Tested in WB, ICC/IF, IP, Flow Cytometry, ELISA 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	ELISA, Flow Cytometry, IP, IF, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	Q9P016

Technical Details

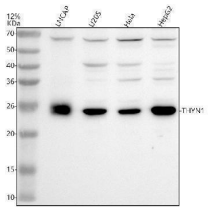
Immunogen	E.coli-derived human THYN1 recombinant protein (Position: M1-S225). Human THYN1 shares 81.9% and 82.3% amino acid (aa) sequence identity with mouse and rat THYN1, respectively.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

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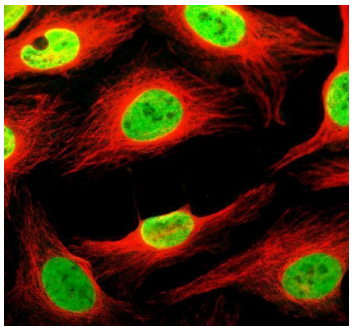
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human Immunoprecipitation, 0.5-2 ug/ml, Human Flow Cytometry (Fixed), 1-3 ug/1x10^6 cells, Human ELISA, 0.1-0.5 ug/ml Note: For flow cytometry (FCM), suitable for fixed cells only. Not suitable for FACS or surface flow cytometry using live cells.

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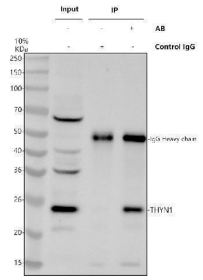
Anti-THYN1 Antibody Picoband® (A13785-1) Images



Western blot analysis of THYN1 using anti-THYN1 antibody (A13785-1). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human LNCAP whole cell lysates, Lane 2: human U2OS whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human HepG2 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-THYN1 antigen affinity purified polyclonal antibody (A13785-1) 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 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for THYN1 at approximately 26 kDa. The expected band size for THYN1 is at 26 kDa.



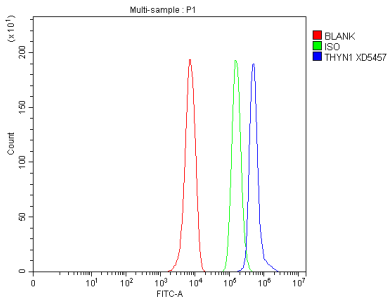
IF analysis of THYN1 using anti-THYN1 antibody (A13785-1) and anti-Alpha Tubulin antibody (M03989-3). THYN1 was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-THYN1 Antibody (A13785-1) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127) and Cy3 Conjugated Goat Anti-Mouse IgG (BA1031) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



Immunoprecipitating THYN1 in Hela whole cell lysate. Western blot analysis of THYN1 using anti-THYN1 antibody (A13785-1). Lane 1: Hela whole cell lysates (30ug), Lane 2: Rabbit control IgG instead of anti-THYN1 antibody in Hela whole cell lysate, Lane 3: anti-THYN1 antibody (2ug) + Hela whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-THYN1 antigen affinity purified polyclonal antibody (A13785-1) at a dilution of 0.5 ug/mL and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for THYN1 at approximately 26 kDa. The expected band size for THYN1 is at 26 kDa.

Flow Cytometry analysis of HepG2 cells using anti-THYN1

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antibody (A13785-1). Overlay histogram showing HepG2 cells stained with A13785-1 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-THYN1 Antibody (A13785-1, 1 ug/1x106 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

Anti-THYN1 Antibody

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