

## Anti-SERPINB13 Antibody Picoband®

Catalog Number: A09602-1

### About SERPINB13

Serpin B13 is a protein that in humans is encoded by the SERPINB13 gene. The protein encoded by this gene is a member of the serpin family of serine protease inhibitors. The encoded protein inhibits the activity of cathepsin K and is itself transcriptionally repressed by RUNX1. This gene is downregulated in many types of cancer.

### Overview

Product Name	Anti-SERPINB13 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-SERPINB13 Antibody Picoband® catalog # A09602-1. Tested in ELISA, Flow Cytometry, 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	ELISA, Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
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	Q9UIV8

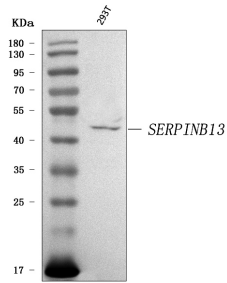
### Technical Details

Immunogen	E.coli-derived human SERPINB13 recombinant protein (Position: M1-H368).
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 µg/ml.
Purification	Immunogen affinity purified.

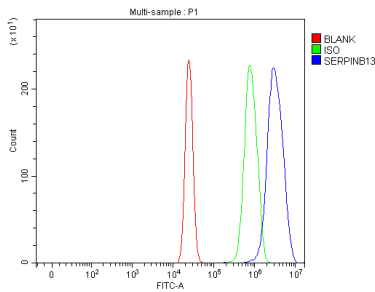
Suggested Dilutions

Western blot, 0.25-0.5 ug/ml, Human  
Flow Cytometry (Fixed), 1-3 ug/ $1 \times 10^6$  cells, Human  
ELISA, 0.1-0.5 ug/ml, -

## Anti-SERPINB13 Antibody Picoband® (A09602-1) Images



Western blot analysis of SERPINB13 using anti-SERPINB13 antibody (A09602-1). 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 30 ug of sample under reducing conditions. Lane 1: human 293T 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-SERPINB13 antigen affinity purified polyclonal antibody (Catalog # A09602-1) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SERPINB13 at approximately 44 kDa. The expected band size for SERPINB13 is at 44 kDa.



Flow Cytometry analysis of U2OS cells using anti-SERPINB13 antibody (A09602-1). Overlay histogram showing U2OS cells stained with A09602-1 (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-SERPINB13 Antibody (A09602-1, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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Anti-SERPINB13 Antibody

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