

Anti-SERINC5 Antibody Picoband®

Catalog Number: A06603

About SERINC5

Serine incorporator 5 is a protein that in humans is encoded by the SERINC5 gene. Predicted to enable L-serine transmembrane transporter activity. Involved in defense response to virus; detection of virus; and innate immune response. Located in several cellular components, including centrosome; cytosol; and plasma membrane

Overview

Product Name	Anti-SERINC5 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-SERINC5 Antibody Picoband® catalog # A06603. 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 ₂ HPO ₄ .
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	Q86VE9

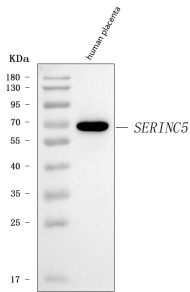
Technical Details

Immunogen	E.coli-derived human SERINC5 recombinant protein (Position: E64-H394).
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.

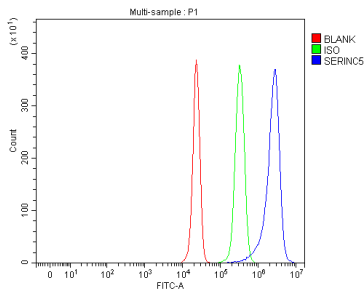
Suggested Dilutions

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

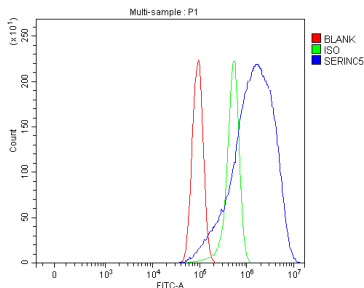
Anti-SERINC5 Antibody Picoband® (A06603) Images



Western blot analysis of SERINC5 using anti-SERINC5 antibody (A06603). 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 placenta tissue 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-SERINC5 antigen affinity purified polyclonal antibody (Catalog # A06603) 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 SERINC5 at approximately 65 kDa. The expected band size for SERINC5 is at 47 kDa.

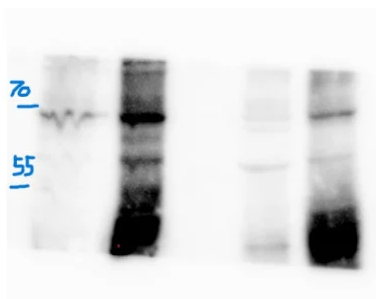


Flow Cytometry analysis of HepG2 cells using anti-SERINC5 antibody (A06603). Overlay histogram showing HepG2 cells stained with A06603 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SERINC5 Antibody (A06603, 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.



Flow Cytometry analysis of PC-3 cells using anti-SERINC5 antibody (A06603). Overlay histogram showing PC-3 cells stained with A06603 (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-SERINC5 Antibody (A06603, 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.

Western blot analysis of SERINC5 using anti-SERINC5 antibody (A06603). Electrophoresis was performed on a



5-20% 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: transfected HEK293 with plvp, Lane 2: transfected HEK293 with CDNA serinc5. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% milk in 1X TBST for 1hr in RT. The membrane was incubated with rabbit anti-SERINC5 antigen affinity purified polyclonal antibody (A06603) at 1:1000 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 (Catalog # BA1054) at a dilution of 1:3000 for 30mins 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 SERINC5 at approximately 65 kDa. The expected band size for SERINC5 is at 47 kDa.

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Anti-SERINC5 Antibody

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