

Anti-STK17A Antibody Picoband®

Catalog Number: A08436-1

About STK17A

This gene is a member of the DAP kinase-related apoptosis-inducing protein kinase family and encodes an autophosphorylated nuclear protein with a protein kinase domain. The protein has apoptosis-inducing activity.

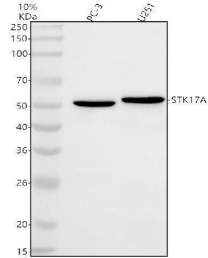
Overview

Product Name	Anti-STK17A Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-STK17A Antibody Picoband® catalog # A08436-1. Tested in WB, 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, 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	Q9UEE5

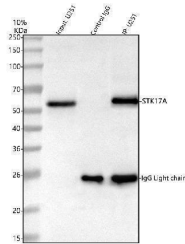
Technical Details

Immunogen	E.coli-derived human STK17A recombinant protein (Position: Q38-Q383).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human Immunoprecipitation, 2-4 ug/ml, Human Flow Cytometry (Fixed), 1-3 ug/1x10 ⁵ cells, Human ELISA, 0.1-0.5 ug/ml

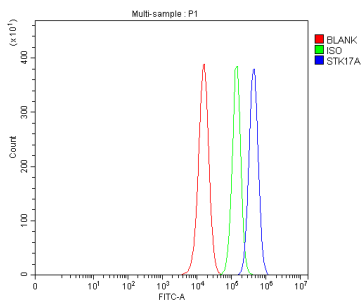
Anti-STK17A Antibody Picoband® (A08436-1) Images



Western blot analysis of STK17A using anti-STK17A antibody (A08436-1). Electrophoresis was performed on a 10% 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 PC-3 whole cell lysates, Lane 2: human U251 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-STK17A antigen affinity purified polyclonal antibody (A08436-1) 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 STK17A at approximately 53 kDa. The expected band size for STK17A is at 47 kDa.



Immunoprecipitating STK17A in U251 whole cell lysate. Western blot analysis of STK17A using anti-STK17A antibody (A08436-1). Lane 1: U251 whole cell lysates (30ug), Lane 2: Rabbit control IgG instead of anti-STK17A antibody in U251 whole cell lysate, Lane 3: anti-STK17A antibody (2ug) + U251 whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-STK17A antigen affinity purified polyclonal antibody (A08436-1) at a dilution of 0.5 ug/mL and probed with a mouse anti-rabbit IgG-HRP secondary antibody (Light Chain). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for STK17A at approximately 53 kDa. The expected band size for STK17A is at 47 kDa.



Flow Cytometry analysis of PC-3 cells using anti-STK17A antibody (A08436-1). Overlay histogram showing PC-3 cells stained with A08436-1 (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-STK17A Antibody (A08436-1, 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.

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Anti-STK17A Antibody

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