

Anti-STX17 Antibody Picoband®

Catalog Number: A06085-1

About STX17

Enables SNAP receptor activity; SNARE binding activity; and protein phosphatase binding activity. Involved in several processes, including autophagosome membrane docking; endoplasmic reticulum to Golgi vesicle-mediated transport; and endoplasmic reticulum-Golgi intermediate compartment organization. Acts upstream of or within protein localization to phagophore assembly site. Located in several cellular components, including autophagosome membrane; endoplasmic reticulum-Golgi intermediate compartment; and mitochondria-associated endoplasmic reticulum membrane contact site. Part of SNARE complex.

Overview

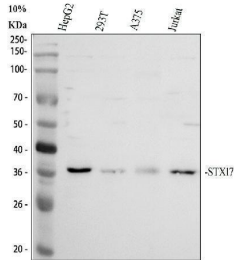
Product Name	Anti-STX17 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-STX17 Antibody Picoband® catalog # A06085-1. Tested in WB, IHC, ICC, IF, IP, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior 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, IP, IF, IHC, ICC, 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	P56962

Technical Details

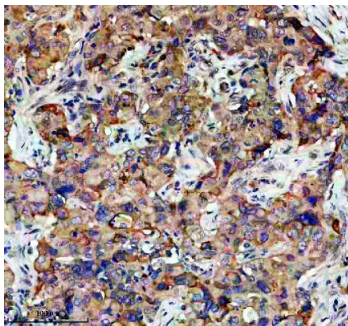
Immunogen	E.coli-derived human STX17 recombinant protein (Position: R12-H206).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Human Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human Immunoprecipitation, 0.5-2 ug/ml, Human

	ELISA, 0.1-0.5 ug/ml
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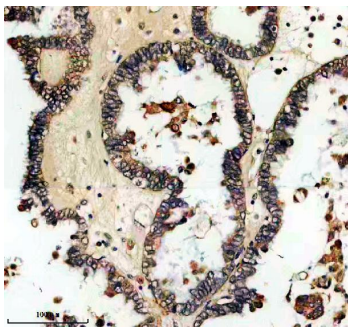
Anti-STX17 Antibody Picoband® (A06085-1) Images



Western blot analysis of STX17 using anti-STX17 antibody (A06085-1). 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 HepG2 whole cell lysates, Lane 2: human Jurkat 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-STX17 antigen affinity purified polyclonal antibody (A06085-1) 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 STX17 at approximately 37 kDa. The expected band size for STX17 is at 33 kDa.

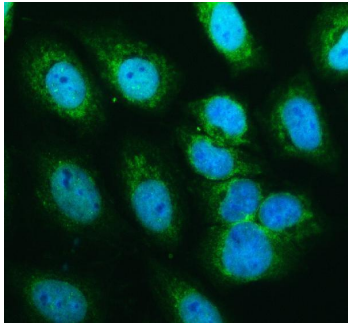


IHC analysis of STX17 using anti-STX17 antibody (A06085-1). STX17 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-STX17 Antibody (A06085-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

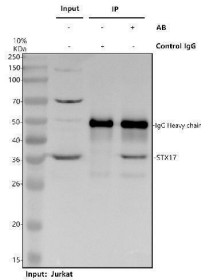


IHC analysis of STX17 using anti-STX17 antibody (A06085-1). STX17 was detected in a paraffin-embedded section of human ovarian cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-STX17 Antibody (A06085-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

IF analysis of STX17 using anti-STX17 antibody (A06085-1). STX17 was detected in an immunocytochemical section of SiHa 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-STX17 Antibody



(A06085-1) overnight at 4°C. Fluoro488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



Immunoprecipitating STX17 in Jurkat whole cell lysate. Western blot analysis of STX17 using anti-STX17 antibody (A06085-1). Lane 1: Jurkat whole cell lysates (30ug), Lane 2: Rabbit control IgG instead of anti-STX17 antibody in Jurkat whole cell lysate, Lane 3: anti-STX17 antibody (2ug) + Jurkat whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-STX17 antigen affinity purified polyclonal antibody (A06085-1) 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 STX17 at approximately 37 kDa. The expected band size for STX17 is at 33 kDa.

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Anti-STX17 Antibody

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