BOSTER BIOLOGICAL TECHNOLOGY
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Anti-EBP2/EBNA1BP2 Antibody Picoband®

Catalog Number: A09966-1

About EBNA1BP2

Enables RNA binding activity. Predicted to be involved in rRNA processing and ribosomal large subunit biogenesis. Located in chromosome and nucleolus.

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Overview

Product Name	Anti-EBP2/EBNA1BP2 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-EBP2/EBNA1BP2 Antibody Picoband® catalog # A09966-1. Tested in WB, IHC, ICC, IF, IP, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. 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, IHC, 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	Q99848

Technical Details

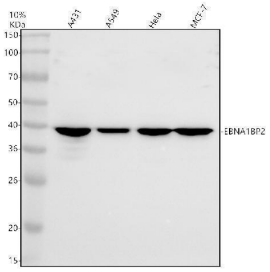
Immunogen	E.coli-derived human EBP2/EBNA1BP2 recombinant protein (Position: M1-M233).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.

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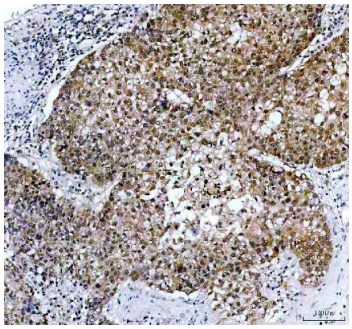
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Human Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human Immunoprecipitation, 0.5-2 ug/ml, Human Flow Cytometry (Fixed), 1-3 ug/1x10^6 cells, Human ELISA, 0.1-0.5 ug/ml Note: For flow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

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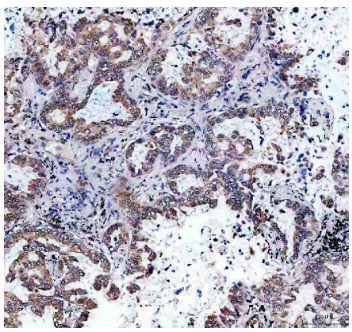
Anti-EBP2/EBNA1BP2 Antibody Picoband® (A09966-1) Images



Western blot analysis of EBP2/EBNA1BP2 using anti-EBP2/EBNA1BP2 antibody (A09966-1). 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 A431 whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human MCF-7 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-EBP2/EBNA1BP2 antigen affinity purified polyclonal antibody (A09966-1) 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 EBP2/EBNA1BP2 at approximately 39 kDa. The expected band size for EBP2/EBNA1BP2 is at 35 kDa.



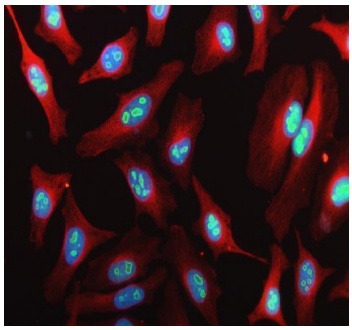
IHC analysis of EBP2/EBNA1BP2 using anti-EBP2/EBNA1BP2 antibody (A09966-1). EBP2/EBNA1BP2 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-EBP2/EBNA1BP2 Antibody (A09966-1) 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.



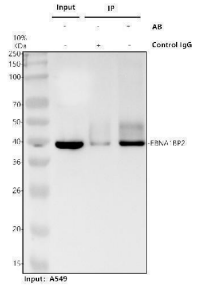
IHC analysis of EBP2/EBNA1BP2 using anti-EBP2/EBNA1BP2 antibody (A09966-1). EBP2/EBNA1BP2 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-EBP2/EBNA1BP2 Antibody (A09966-1) 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 EBP2/EBNA1BP2 using anti-EBP2/EBNA1BP2

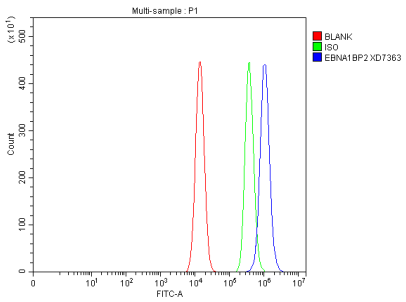
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antibody (A09966-1) and anti-Alpha Tubulin antibody (M03989-3). EBP2/EBNA1BP2 was detected in an immunocytochemical section of Hela cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-EBP2/EBNA1BP2 Antibody (A09966-1) and mouse anti-Alpha Tubulin antibody (M03989-3) overnight at 4°C. Fluoro488 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. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



Immunoprecipitating EBP2/EBNA1BP2 in A549 whole cell lysate. Western blot analysis of EBP2/EBNA1BP2 using anti-EBP2/EBNA1BP2 antibody (A09966-1). Lane 1: A549 whole cell lysates (30ug), Lane 2: Rabbit control IgG instead of anti-EBP2/EBNA1BP2 antibody in A549 whole cell lysate, Lane 3: anti-EBP2/EBNA1BP2 antibody (2ug) + A549 whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-EBP2/EBNA1BP2 antigen affinity purified polyclonal antibody (A09966-1) 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 EBP2/EBNA1BP2 at approximately 39 kDa. The expected band size for EBP2/EBNA1BP2 is at 35 kDa.



Flow Cytometry analysis of A549 cells using anti-EBP2/EBNA1BP2 antibody (A09966-1). Overlay histogram showing A549 cells stained with A09966-1 (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-EBP2/EBNA1BP2 Antibody (A09966-1, 1 ug/1x106 cells) for 30 min at 20°C. Fluoro488 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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