

Anti-GTF3C2 Antibody Picoband®

Catalog Number: A11837-2

About GTF3C2

Enables RNA polymerase III general transcription initiation factor activity. Contributes to DNA binding activity. Involved in transcription by RNA polymerase III. Located in nucleoplasm. Part of transcription factor TFIIC complex.

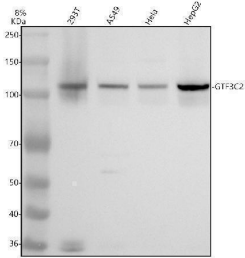
Overview

Product Name	Anti-GTF3C2 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-GTF3C2 Antibody Picoband® catalog # A11837-2. 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	Q8WUA4

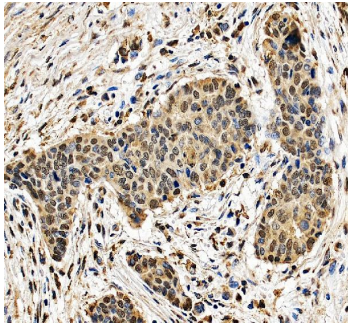
Technical Details

Immunogen	E.coli-derived human GTF3C2 recombinant protein (Position: E61-E820).
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

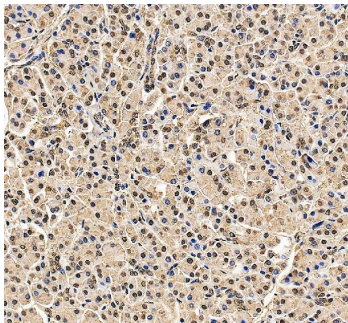
Anti-GTF3C2 Antibody Picoband® (A11837-2) Images



Western blot analysis of GTF3C2 using anti-GTF3C2 antibody (A11837-2). Electrophoresis was performed on a 8% 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 293T whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: human HeLa whole cell lysates, Lane 4: human HepG2 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-GTF3C2 antigen affinity purified polyclonal antibody (A11837-2) 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 GTF3C2 at approximately 110 kDa. The expected band size for GTF3C2 is at 101 kDa.

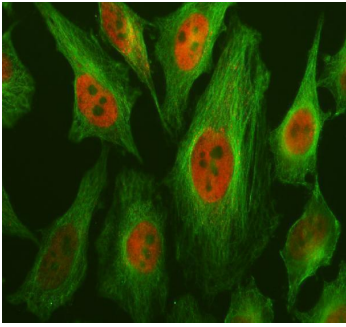


IHC analysis of GTF3C2 using anti-GTF3C2 antibody (A11837-2). GTF3C2 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-GTF3C2 Antibody (A11837-2) 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.

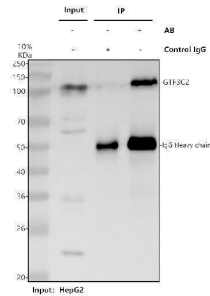


IHC analysis of GTF3C2 using anti-GTF3C2 antibody (A11837-2). GTF3C2 was detected in a paraffin-embedded section of human pancreas cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-GTF3C2 Antibody (A11837-2) 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 GTF3C2 using anti-GTF3C2 antibody (A11837-2) and anti-Alpha Tubulin antibody (M03989-3). GTF3C2 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-GTF3C2 Antibody (A11837-2) and mouse anti-Alpha Tubulin antibody (M03989-3) overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and Fluoro488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



Immunoprecipitating GTF3C2 in HepG2 whole cell lysate. Western blot analysis of GTF3C2 using anti-GTF3C2 antibody (A11837-2). Lane 1: HepG2 whole cell lysates (30ug), Lane 2: Rabbit control IgG instead of anti-GTF3C2 antibody in HepG2 whole cell lysate, Lane 3: anti-GTF3C2 antibody (2ug) + HepG2 whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-GTF3C2 antigen affinity purified polyclonal antibody (A11837-2) 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 GTF3C2 at approximately 110 kDa. The expected band size for GTF3C2 is at 101 kDa.

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Anti-GTF3C2 Antibody

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