BOSTER BIOLOGICAL TECHNOLOGY
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Anti-HNRNPM Antibody Picoband®

Catalog Number: A06017-1

About HNRNPM

This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has three repeats of quasi-RRM domains that bind to RNAs. This protein also constitutes a monomer of the N-acetylglucosamine-specific receptor which is postulated to trigger selective recycling of immature GlcNAc-bearing thyroglobulin molecules. Alternative splicing results in multiple transcript variants.

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Overview

Product Name	Anti-HNRNPM Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-HNRNPM Antibody Picoband® catalog # A06017-1. Tested in WB, IHC, ICC/IF, IP, ELISA applications. This antibody reacts with Human, 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, 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	P52272

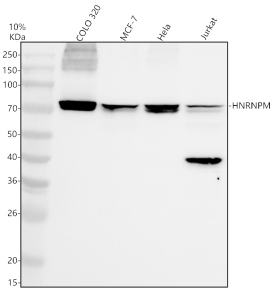
Technical Details

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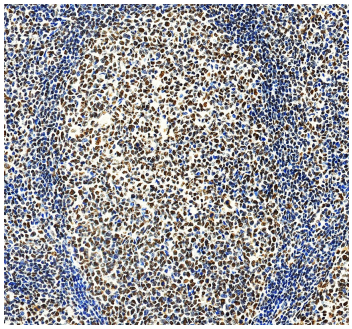
Immunogen	E.coli-derived human HNRNPM recombinant protein (Position: E41-I655).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Human, Rat Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human Immunoprecipitation, 0.5-2 ug/ml, Human ELISA, 0.1-0.5 ug/ml

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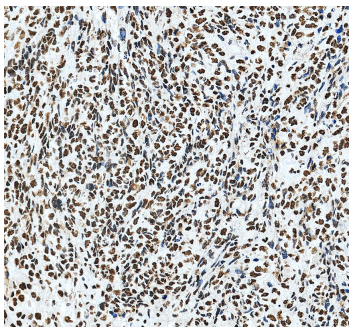
Anti-HNRNPM Antibody Picoband® (A06017-1) Images



Western blot analysis of HNRNPM using anti-HNRNPM antibody (A06017-1). 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 COLO 320 whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human HeLa whole cell lysates, Lane 4: 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-HNRNPM antigen affinity purified polyclonal antibody (A06017-1) 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 HNRNPM at approximately 72 kDa. The expected band size for HNRNPM is at 78 kDa.



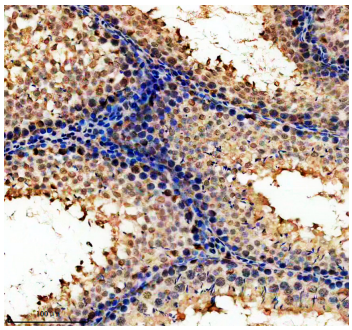
IHC analysis of HNRNPM using anti-HNRNPM antibody (A06017-1). HNRNPM was detected in a paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-HNRNPM Antibody (A06017-1) 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.



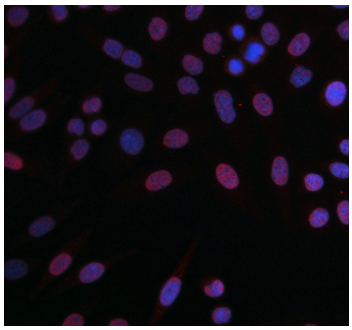
IHC analysis of HNRNPM using anti-HNRNPM antibody (A06017-1). HNRNPM was detected in a paraffin-embedded section of human ovarian cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-HNRNPM Antibody (A06017-1) 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 HNRNPM using anti-HNRNPM antibody (A06017-1). HNRNPM was detected in a paraffin-embedded section of rat testis tissue. Heat mediated antigen retrieval

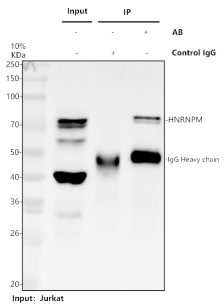
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IF analysis of HNRNPM using anti-HNRNPM antibody (A06017-1). HNRNPM was detected in an immunocytochemical section of SIHA cells. The cells were permeabilized with 0.1% Triton X-100 for 10 minutes at room temperature and blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-HNRNPM Antibody (A06017-1) overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) 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 HNRNPM in Jurkat whole cell lysate. Western blot analysis of HNRNPM using anti-HNRNPM antibody (A06017-1). Lane 1: Jurkat whole cell lysates (30ug), Lane 2: Rabbit control IgG instead of anti-HNRNPM antibody in Jurkat whole cell lysate, Lane 3: anti-HNRNPM antibody (2ug) + Jurkat whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-HNRNPM antigen affinity purified polyclonal antibody (A06017-1) 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 HNRNPM at approximately 72 kDa. The expected band size for HNRNPM is at 78 kDa.

Anti-HNRNPM Antibody

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