BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Unrip/STRAP Antibody Picoband®

Catalog Number: PB9407

About STRAP

Unrip is also known as STRAP (Serine-threonine kinase receptor-associated protein). It is anenzyme that in humans is encoded by the STRAP gene. It is mapped to 12p12.3. UNRIP is integrated into a complex with UNR or with the SMN complex in vivo in a mutually exclusive manner. It is concluded that UNRIP is the first component of the uridine-rich snRNP assembly machinery that associates with the SMN complex in a compartment-specific way, and it may play a crucial role in the intracellular distribution of the SMN complex.

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Overview

Product Name	Anti-Unrip/STRAP Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Unrip/STRAP Antibody Picoband® catalog # PB9407. Tested in IHC, WB 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	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na2HPO4, and 0.05 mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9Y3F4

Technical Details

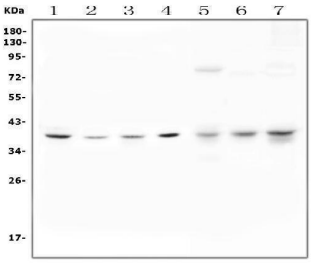
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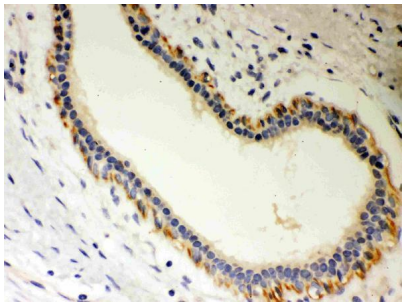
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Unrip, identical to the related mouse and rat sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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Anti-Unrip/STRAP Antibody Picoband® (PB9407) Images



Western blot analysis of Unrip using anti-Unrip antibody (PB9407). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human HEK293 whole cell lysates Lane 2: human Jurkat whole cell lysates Lane 3: human PC-3 whole cell lysates Lane 4: human THP-1 whole cell lysates Lane 5: rat brain tissue lysates Lane 6: mouse HEPA1-6 whole cell lysates Lane 7: mouse RAW246.7 whole cell lysates After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-Unrip antigen affinity purified polyclonal antibody (Catalog # PB9407) 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 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Unrip at approximately 39KD. The expected band size for Unrip is at 39KD.



IHC analysis of Unrip using anti-Unrip antibody (PB9407). Unrip was detected in a paraffin-embedded section of human mammary 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 1 ug/ml rabbit anti-Unrip Antibody (PB9407) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

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