

Anti-SIRT6 Antibody Picoband®

Catalog Number: PB9357

About SIRT6

SIRT6 is also known as SIR2L6. This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class IV of the sirtuin family. Alternative splicing results in multiple transcript variants.

Overview

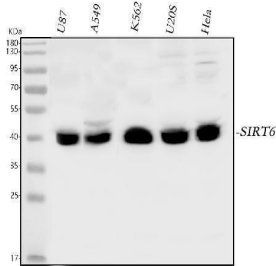
Product Name	Anti-SIRT6 Antibody Picoband®
Reactive Species	Human, Mouse
Description	Boster Bio Anti-SIRT6 Antibody Picoband® catalog # PB9357. Tested in IHC, WB applications. This antibody reacts with Human, Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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 Na ₂ HPO ₄ , and 0.05 mg NaN ₃ . *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	Q8N6T7

Technical Details

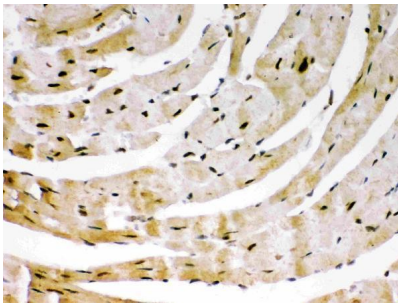
Immunogen	E.coli-derived human SIRT6 recombinant protein (Position: D14-E180). Human SIRT6 shares 95% amino acid (aa) sequence identity with mouse SIRT6.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit 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, Mouse Western blot, 0.1-0.5ug/ml, Human

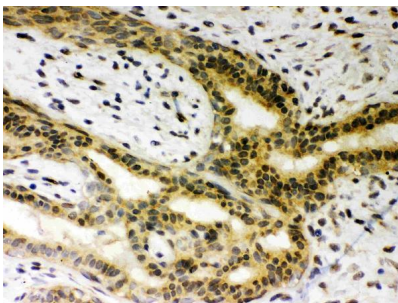
Anti-SIRT6 Antibody Picoband® (PB9357) Images



Western blot analysis of SIRT6 using anti-SIRT6 antibody (PB9357). 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 30 ug of sample under reducing conditions. Lane 1: human U87 whole cell lysates, Lane 2: human A549 whole cell lysates, Lane 3: human K562 whole cell lysates, Lane 4: human U2OS whole cell lysates, Lane 5: human Hela 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-SIRT6 antigen affinity purified polyclonal antibody (Catalog # PB9357) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SIRT6 at approximately 39-42 kDa. The expected band size for SIRT6 is at 39 kDa.



Anti-SIRT6Picoband antibody, PB9357, IHC(P)IHC(P): Mouse Cardiac Muscle Tissue



Anti-SIRT6Picoband antibody, PB9357, IHC(P)IHC(P): Human Mammary Cancer Tissue

1 Publications Citing This Product

1. PubMed ID: 10.3389/fphar.2020.01150, Exogenous Hydrogen Sulfide Ameliorates Diabetic Myocardial Fibrosis by Inhibiting Cell Aging Through SIRT6/AMPK Autophagy

Visit bosterbio.com/anti-sirt6-picoband-trade-antibody-pb9357-boster.html to see all 1 publications.

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Anti-SIRT6 Antibody

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