BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-SP100 Antibody Picoband®

Catalog Number: A02051-1

About SP100

Predicted to enable several functions, including DNA-binding transcription factor activity, RNA polymerase II-specific; chromo shadow domain binding activity; and protein homodimerization activity. Predicted to be involved in several processes, including innate immune response; regulation of DNA-templated transcription; and regulation of signal transduction. Predicted to be located in cytoplasm and nuclear lumen. Predicted to be part of Mre11 complex. Is expressed in eye; olfactory placode; and otic pit. Orthologous to human SP100 (SP100 nuclear antigen).

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Overview

Product Name	Anti-SP100 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-SP100 Antibody Picoband® catalog # A02051-1. Tested in WB applications. This antibody reacts with 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	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	O35892

Technical Details

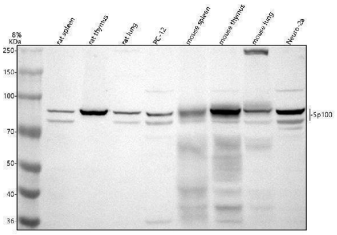
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human SP100.
Form	Lyophilized

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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, Mouse, Rat

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Anti-SP100 Antibody Picoband® (A02051-1) Images



Western blot analysis of SP100 using anti-SP100 antibody (A02051-1). 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: rat spleen tissue lysates, Lane 2: rat thymus tissue lysates, Lane 3: rat lung tissue lysates, Lane 4: rat PC-12 whole cell lysates, Lane 5: mouse spleen tissue lysates, Lane 6: mouse thymus tissue lysates, Lane 7: mouse lung tissue lysates, Lane 8: mouse Neuro-2a 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-SP100 antigen affinity purified polyclonal antibody (A02051-1) 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 SP100 at approximately 80-90 kDa. The expected band size for SP100 is at 55 kDa.

Anti-SP100 Antibody

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