BOSTER BIOLOGICAL TECHNOLOGY
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Anti-SFTPA1 Antibody Picoband®

Catalog Number: PA1347

About SFTPA1

Surfactant protein A is an innate immune system collectin. The gene encoding SP-A map to mouse chromosome 14.1. Surfactant protein-A, which plays a role in innate host defense in the lung, is also expressed in the Eustachian tube. We report that the frequency of specific surfactant protein-A haplotypes and genotypes differs between children with recurrent otitis media compared with a control population.

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Overview

Product Name	Anti-SFTPA1 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-SFTPA1 Antibody catalog # PA1347. Tested in WB 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	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg 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	Q8IWL2

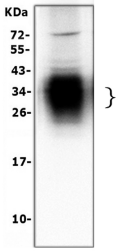
Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human SFTPA1, different from the rat sequence by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Rat

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Anti-SFTPA1 Antibody Picoband® (PA1347) Images



Western blot analysis of SFTPA1 using anti-SFTPA1 antibody (PA1347). 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: rat lung tissue 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-SFTPA1 antigen affinity purified polyclonal antibody (Catalog # PA1347) 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 SFTPA1 at approximately 26-35KD. The expected band size for SFTPA1 is at 26KD.

3 Publications Citing This Product

1. PubMed ID: 23671638, Wu Y, You H, Ma P, Li L, Yuan Y, Li J, Ye X, Liu X, Yao H, Chen R, Lai K, Yang X. Plos One. 2013 May 9;8(5):E62827. Doi: 10.1371/Journal.Pone.0062827. Print 2013. Role Of Transient Receptor Potential Ion Channels And Evoked Levels Of Neuropeptides...

2. PubMed ID: 24596465, Alterations in the endometrium of rats, rabbits, and?Macaca mulatta?that received an implantation of copper/low-density polyethylene nanocomposite

3. PubMed ID: 26640562, Effects of bone marrow-derived mesenchymal stem cells transfected with survivin on pulmonary fibrosis in mice

Visit bosterbio.com/anti-sftpa1-antibody-pa1347-boster.html to see all 3 publications.

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