

Anti-SFTPA1 Antibody

Catalog # ABO10777

Product Information

Application	WB, IHC-P
Primary Accession	P35242
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Pulmonary surfactant-associated protein A(SFTPA1) detection. Tested with WB, IHC-P in Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Other Names	Pulmonary surfactant-associated protein A, PSAP, PSP-A, SP-A, Sftpa1, Sftp-1, Sftp1, Sftpa
Calculated MW	26157
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Rat, Mouse, By Heat Western blot, 0.1-0.5 μ g/ml, Mouse, Rat
Subcellular Localization	Secreted, extracellular space, extracellular matrix. Secreted, extracellular space, surface film.
Source	Eukaryota
Protein Name	Pulmonary surfactant-associated protein A
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse SFTPA1 (233-248aa WNDKGCLQYRLAICEF), identical to the related rat sequence.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated

Sequence Similarities

freezing and thawing.
Belongs to the SFTPA family.

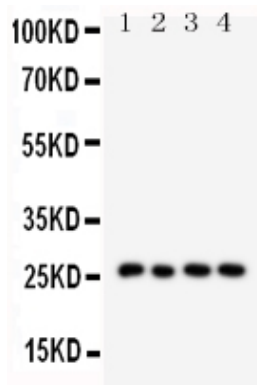
Protein Information

Name	Sftpa1
Synonyms	Sftp-1, Sftp1, Sftpa
Function	In presence of calcium ions, it binds to surfactant phospholipids and contributes to lower the surface tension at the air- liquid interface in the alveoli of the mammalian lung and is essential for normal respiration. Enhances the expression of MYO18A/SP-R210 on alveolar macrophages (PubMed: 25965346).
Cellular Location	Secreted. Secreted, extracellular space, extracellular matrix. Secreted, extracellular space, surface film

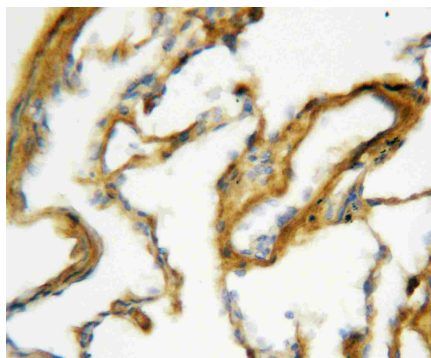
Background

Surfactant protein A is an innate immune system collectin. The gene encoding SP-A map to mouse chromosome 14. 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.

Images



Anti-SFTPA1 antibody, ABO10777, Western blotting
Lane 1: Mouse Lung Tissue Lysate
Lane 2: Mouse Lung Tissue Lysate
Lane 3: Rat Lung Tissue Lysate
Lane 4: Rat Lung Tissue Lysate



Anti-SFTPA1 antibody, ABO10777, IHC(P)
IHC(P): Rat Lung Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.