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SFTPA1 Rabbit pAb

Catalog # AP96785

Product Information

Application	WB, E
Predicted	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse SFTPA
Epitope Specificity	145-248/248
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the SFTPA family. Contains 1 C-type lectin domain. Contains 1 collagen-like domain.
SUBUNIT	Oligomeric complex of 6 set of homotrimers.
DISEASE	Defects in SFTPA2 are a cause of pulmonary fibrosis idiopathic (IPF) [MIM:178500]. Pulmonary fibrosis is a lung disease characterized by shortness of breath, radiographically evident diffuse pulmonary infiltrates, and varying degrees of inflammation and fibrosis on biopsy. It results in acute lung injury with subsequent scarring and endstage lung disease.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is one of several genes encoding pulmonary-surfactant associated proteins (SFTPA) located on chromosome 10. Mutations in this gene and a highly similar gene located nearby, which affect the highly conserved carbohydrate recognition domain, are associated with idiopathic pulmonary fibrosis. The current version of the assembly displays only a single centromeric SFTPA gene pair rather than the two gene pairs shown in the previous assembly which were thought to have resulted from a duplication. [provided by RefSeq, Sep 2009]

Additional Information

Other Names	SFTPA1; SFTPA1B; SFTPA2; SFTPA2B; COLEC4; ILD1; PSAP; PSP-A; PSPA; SFTP1; SP-A; SP-A1; SP-A1 beta; SP-A1 delta; SP-A1 epsilon; SP-A1 gamma; SPA; SPA1; SFTPA_CANLF; SFTPA; SFTA1_HUMAN; 35 kDa pulmonary surfactant-associated protein; Alveolar proteinosis protein; Collectin-4; surfactant protein A1; surfactant, pulmonary-associated protein A1; surfactant, pulmonary-associated protein A1A
Dilution	WB=1:500-2000,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

	is stable for at least two weeks at 2-4 °C.
Name	SFTPA1 Rabbit pAb
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.

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