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Rabbit Anti-SFTPA1 antibody

SL10265R

Product Name:	SFTPA1
Chinese Name:	肺表面活性蛋白A抗体
Alias:	SP-A；Surfactant Protein A; pulmonary surfactant-associated glycoprotein A; Pulmonary surfactant-associated protein A2 precursor; SP-A2; PSP-A; PSPA; Alveolar proteinosis protein; 35 kDa pulmonary surfactant-associated protein; COLEC4; MGC133365; Pulmonary surfactant apoprotein; Pulmonary surfactant associated protein; SFTP1; SFTPA; SFTPA1; SFTPA1B; SP A; SP A1; Surfactant pulmonary associated protein A1; SFTPA_MOUSE; Collectin-5; Sftp-1.
文献引用 PubMed :	**Specific References(1)**|SL10265R has been referenced in 1 publications. **[IF=3.70]**Deng, Haijing, et al. "Protective effect of Ac-SDKP on alveolar epithelial cells through inhibition of EMT via TGF-β1/ROCK1 pathway in silicosis in rat." Toxicology and Applied Pharmacology (2016).**WB;Rat**. PubMed:26785300
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	25kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse SFTPA:145-248/248
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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]. **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. **Subunit:** Oligomeric complex of 6 set of homotrimers. **Subcellular Location:** Secreted, extracellular space, extracellular matrix. Secreted, extracellular space, surface film. **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. **Similarity:** Belongs to the SFTPA family. Contains 1 C-type lectin domain. Contains 1 collagen-like domain. **SWISS:** P35242.1 **Gene ID:** 20387 **Database links:** Entrez Gene: 610540Dog

	Entrez Gene: 653509Human Entrez Gene: 20387 Mouse Omim: 178630Human SwissProt: P06908Dog SwissProt: Q8IWL2Human Unigene: 535295Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.