

SFTPA2B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12232b

Product Information

Application	WB, E
Primary Accession	Q8IWL1
Other Accession	Q8IWL2 , NP_001092138.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31040
Calculated MW	26169
Antigen Region	174-202

Additional Information

Gene ID	729238
Other Names	Pulmonary surfactant-associated protein A2, PSP-A, PSPA, SP-A, SP-A2, 35 kDa pulmonary surfactant-associated protein, Alveolar proteinosis protein, Collectin-5, SFTPA2, COLEC5, PSAP, SFTP1, SFTPA, SFTPA2B
Target/Specificity	This SFTPA2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 174-202 amino acids from the C-terminal region of human SFTPA2B.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SFTPA2B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SFTPA2
Synonyms	COLEC5, PSAP, SFTP1, SFTPA, SFTPA2B

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.
Cellular Location	Secreted. Secreted, extracellular space, extracellular matrix. Secreted, extracellular space, surface film

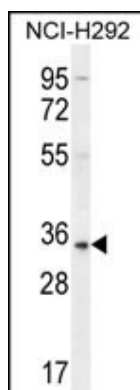
Background

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.

References

Silveyra, P., et al. Am. J. Physiol. Lung Cell Mol. Physiol. 299 (4), L523-L534 (2010) :
Maitra, M., et al. J. Biol. Chem. 285(29):22103-22113(2010)
Wang, G., et al. J. Biol. Chem. 285(16):11998-12010(2010)
El Saleeby, C.M., et al. J. Pediatr. 156(3):409-414(2010)
Liu, J., et al. Tohoku J. Exp. Med. 221(1):35-42(2010)

Images



SFTPA2B Antibody (C-term) (Cat. #AP12232b) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the SFTPA2B antibody detected the SFTPA2B protein (arrow).

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