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SFTPA1B Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP14524c

Specification

SFTPA1B Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q8IWL2

SFTPA1B Antibody (Center) Blocking Peptide - Additional Information

Gene ID 653509

Other Names
Pulmonary surfactant-associated protein A1, PSP-A, PSPA, SP-A, SP-A1, 35 kDa pulmonary surfactant-associated protein, Alveolar proteinosis protein, Collectin-4, SFTPA1, COLEC4, PSAP, SFTP1, SFTPA, SFTPA1B

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SFTPA1B Antibody (Center) Blocking Peptide - Protein Information

Name SFTPA1

Synonyms COLEC4, PSAP, SFTP1, SFTPA, SFTPA1B

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 (By similarity).

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

SFTPA1B Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SFTPA1B Antibody (Center) Blocking Peptide - Images

SFTPA1B Antibody (Center) Blocking Peptide - Background

This gene encodes a lung surfactant protein that is amember of a subfamily of C-type lectins called collectins. Theencoded protein binds specific carbohydrate moieties found onlipids and on the surface of microorganisms. This protein plays anessential role in surfactant homeostasis and in the defense againstrespiratory pathogens. Mutations in this gene are associated withidiopathic pulmonary fibrosis. Alternate splicing results inmultiple transcript variants.

SFTPA1B Antibody (Center) Blocking Peptide - References

Silveyra, P., et al. Am. J. Physiol. Lung Cell Mol. Physiol. 299 (4), L523-L534 (2010) :Liu, D.Y., et al. Zhongguo Dang Dai Er Ke Za Zhi 12(6):444-446(2010)Liu, J., et al. Tohoku J. Exp. Med. 221(1):35-42(2010)Berg, T., et al. Biochim. Biophys. Acta 1543(1):159-173(2000)Childs, R.A., et al. J. Biol. Chem. 267(14):9972-9979(1992)