

SFTPA1B Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14524c**Specification**

SFTPA1B Antibody (Center) Blocking Peptide - Product InformationPrimary 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 a member of a subfamily of C-type lectins called collectins. The encoded protein binds specific carbohydrate moieties found on lipids and on the surface of microorganisms. This protein plays an essential role in surfactant homeostasis and in the defense against respiratory pathogens. Mutations in this gene are associated with idiopathic pulmonary fibrosis. Alternate splicing results in multiple 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)