

SFTPA1 / SFTPA2 (aa102-115) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3713a**Specification**

SFTPA1 / SFTPA2 (aa102-115) Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	Q8IWL2
Other Accession	NP_005402.3 , NP_001087239.2 , NP_001158117.1 , NP_001158118.1 , NP_001092138.1 , 653509 , 729238
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	26242

SFTPA1 / SFTPA2 (aa102-115) Antibody (internal region) - 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

Dilution

WB~~1:1000
E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SFTPA1 / SFTPA2 (aa102-115) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SFTPA1 / SFTPA2 (aa102-115) Antibody (internal region) - 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

SFTPA1 / SFTPA2 (aa102-115) Antibody (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SFTPA1 / SFTPA2 (aa102-115) Antibody (internal region) - Images

AF3713a (0.01 µg/ml) staining of Human Lung lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

SFTPA1 / SFTPA2 (aa102-115) Antibody (internal region) - Background

This antibody is expected to recognize all the reported isoforms of A1 (NP_005402.3; NP_001087239.2; NP_001158117.1; NP_001158118.1) and A2 (NP_001092138.1). Reported variants represent identical protein: NP_001158116.1, NP_005402.3, NP_001158119.1

SFTPA1 / SFTPA2 (aa102-115) Antibody (internal region) - References

Epigenetic regulation of surfactant protein A gene (SP-A) expression in fetal lung reveals a critical

role for Suv39h methyltransferases during development and hypoxia. Benlhabib H, Mendelson CR.
Mol Cell Biol. 2011 May;31(10):1949-58. PMID: 21402781