

SFTPC rabbit monoclonal antibody

Catalog # H00006440-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SFTPC peptide using ARM Technology.
Immunogen	A synthetic peptide of human SFTPC is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SFTPC peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — SFTPC

Entrez GeneID	6440
GeneBank Accession#	SFTPC
Gene Name	SFTPC
Gene Alias	PSP-C, SFTP2, SMDP2, SP-C
Gene Description	surfactant protein C
Omim ID	178500 178620 265120 610913
Gene Ontology	Hyperlink
Gene Summary	The SFTPC gene encodes pulmonary-associated surfactant protein C (SPC), an extremely hydrophobic surfactant protein essential for lung function and homeostasis after birth. It is produced exclusively by type II alveolar epithelial cells in the lung. Pulmonary surfactant is a lipid-rich material that prevents lung collapse by lowering surface tension at the air-liquid interface in the alveoli of lung. Surfactant is composed of phospholipids and other surfactant-associated proteins (Clark and Clark, 2005 [PubMed 15927881]). See also SFTPA1 (MIM 178630), SFTPB (MIM 178640), and SFTPD (MIM 178635).[supplied by OMIM]
Other Designations	pulmonary surfactant apoprotein-2 SP-C surfactant, pulmonary-associated protein C

Disease

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