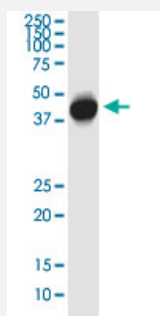


SFTPB monoclonal antibody (M01), clone 1H7

Catalog # H00006439-M01

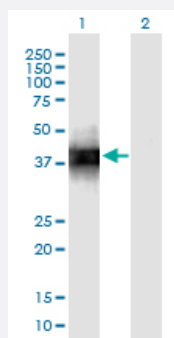
Size 100 ug

Applications



Western Blot (Tissue lysate)

SFTPB monoclonal antibody (M01), clone 1H7. Western Blot analysis of SFTPB expression in human lung cancer.

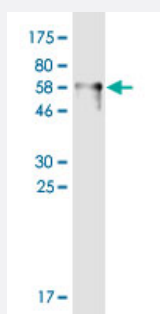


Western Blot (Transfected lysate)

Western Blot analysis of SFTPB expression in transfected 293T cell line by SFTPB monoclonal antibody (M01), clone 1H7.

Lane 1: SFTPB transfected lysate (Predicted MW: 42.1 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (68.5 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant SFTPB.

Immunogen	SFTPb (NP_000533.2, 1 a.a. ~ 381 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAESHLLQWLLLLLPTLCGPGTAAWTTSSLACAQGPEFWCQSLEQALQCRALGHCLQEIVWGHV GADDLCQECEDIVHILNKMAKEAIFQDTMRKFLEQECNVLPKLLMPQCNQVLDDYFPLVIDYFQN QTDSNGICMHLGLCKSRQPEPEQEPGMSDPLPKPLRDPLDPLDKLVLPVLPALQARPGPHT QDLSEQQFPIPLPYCWLCRALIKRIQAMIPKALAVAVAQVCRVPLVAGGICQCLAERYSVILLDT LLGRMLPQLVCRLVLRCSMDDSAAGPRSPTEWLPDSECHLCMSVTTQAGNSSEQAIPQAMLQ ACVGSWLDREKCKQFVEQHTPQLLTLVPRGWDATTCQALGVCCTMSSPLQCIHSPDL
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (68.5 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

SFTPb monoclonal antibody (M01), clone 1H7. Western Blot analysis of SFTPb expression in human lung cancer.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of SFTPb expression in transfected 293T cell line by SFTPb monoclonal antibody (M01), clone 1H7.

Lane 1: SFTPb transfected lysate (Predicted MW: 42.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SFTPb

Entrez GeneID	6439
GeneBank Accession#	NM_000542.2
Protein Accession#	NP_000533.2
Gene Name	SFTPB
Gene Alias	PSP-B, SFTB3, SFTP3, SMDP1, SP-B
Gene Description	surfactant protein B
Omim ID	178640 265120
Gene Ontology	Hyperlink
Gene Summary	The SFTPB gene encodes the pulmonary-associated surfactant B protein (SPB), an amphipathic surfactant protein essential for lung function and homeostasis after birth. 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. SPB enhances the rate of spreading and increases the stability of surfactant monolayers in vitro. Surfactant is composed of phospholipids and other surfactant-associated proteins (Clark et al., 1995 [PubMed 7644495]). See also SFTPA1 (MIM 178630), SFTPC (MIM 178620), and SFTPD (MIM 178635).[supplied by OMIM]
Other Designations	Pulmonary surfactant-associated protein B, 18kD surfactant, pulmonary-associated protein B

Disease

- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Anoxia](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Bronchopulmonary Dysplasia](#)
- [Carcinoma](#)
- [Community-Acquired Infections](#)
- [Critical Illness](#)
- [Diseases in Twins](#)

- [Ductus Arteriosus](#)
- [Emphysema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercapnia](#)
- [Hypertension](#)
- [Infant](#)
- [Lung carcinoma](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Occupational Diseases](#)
- [Pneumonia](#)
- [Pulmonary Disease](#)
- [Pulmonary Fibrosis](#)
- [Respiratory Distress Syndrome](#)
- [Respiratory Insufficiency](#)
- [Respiratory Syncytial Virus Infections](#)
- [Scleroderma](#)
- [Sepsis](#)
- [Shock](#)