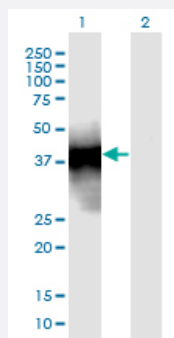


SFTPb monoclonal antibody (M02), clone 2H6

Catalog # H00006439-M02

Size 100 ug

Applications

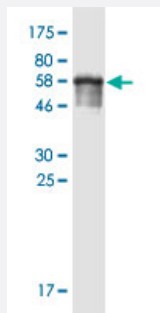


Western Blot (Transfected lysate)

Western Blot analysis of SFTPb expression in transfected 293T cell line by SFTPb monoclonal antibody (M02), clone 2H6.

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	MAESHLLQWLLLLLPTLCGPGTAAWTTSSLACAQGPEFWCQSLEQALQCRALGHCLQE VWGHV GADDLCQECEDIVHILNKMAKEAIFQDTRMKFLEQECNVLPKLLMPQCNQVLD DYFPLVIDYFQN QTD SNGICMHLGLCKSRQPEPEQE PGMSDPLPKPLRDPLDPLLDKLVLPVLP GALQARPGPHT QDLSEQQFPIPLPYCWLCRALIKRIQAMIPKGALAVAVAQVCRVVPLVAGGICQCLAERYSVILLDT LLGRMLPQLVCRLVLRCSMDDSAGPRSP TGEWLPRDSECHLCMSVTTQAGNSSEQAIPQAMLQ ACVGSWLDREKCKQFVEQHTPQLLTLVPRGWD AHTTCQALGVC GTMSSPLQCIHSPDL
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 (Transfected lysate)

Western Blot analysis of SFTPB expression in transfected 293T cell line by SFTPB monoclonal antibody (M02), clone 2H6.

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](#)