

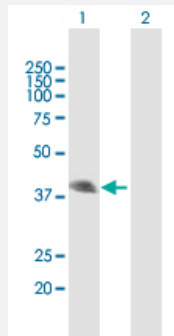
MaxPab®

SFTPB MaxPab mouse polyclonal antibody (B01)

Catalog # H00006439-B01

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of SFTPb expression in transfected 293T cell line ([H00006439-T01](#)) by SFTPb MaxPab polyclonal antibody.

Lane 1: SFTPb transfected lysate(41.91 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human SFTPB protein.
Immunogen	SFTPB (NP_000533.2, 1 a.a. ~ 381 a.a) full-length human protein.
Sequence	MAESHLLQWLLLLLPTLCGPGTAAWTTSSLACAQGPEFWCQSLEQALQCRALGHCLQE VWGHV GADDLCQECEDIVHILNKMAKEAIFQDTMRKFLEQECNVLP LKLLMPQC NQVLDDYFPLVIDYFQN QTDSNGICMHLGLCKSRQPEPEQE PGMSDLPKPLRDPLDPLLDKLVLPVLP GALQARPGPHT QDLSEQQFPIPLPYCWLCRALIKRIQAMIPKGALAVAVAQVCRVVPLVAGGICQCLAERYSVILLDT LLGRMLPQLVLCRLVLRCSMDDSAGPRSP TGEWLPRDSECHLCMSVTTQAGNSSEQAIPQAMLQ ACVGSWLDREKCKQFVEQH TPQLLTLVPRGWD AHTTCQALGVC GTMSSPLQCIHSPDL
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

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](#)
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- [Lung carcinoma](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
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- [Pneumonia](#)
- [Pulmonary Disease](#)
- [Pulmonary Fibrosis](#)
- [Respiratory Distress Syndrome](#)
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- [Respiratory Syncytial Virus Infections](#)
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- [Shock](#)