

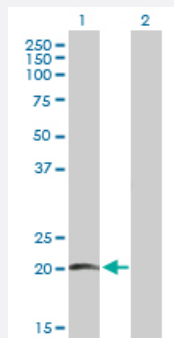
MaxPab®

SFTPC purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00006440-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of SFTPC expression in transfected 293T cell line ([H00006440-T02](#)) by SFTPC MaxPab polyclonal antibody.

Lane 1: SFTPC transfected lysate(21.67 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human SFTPC protein.
Immunogen	SFTPC (NP_003009.1, 1 a.a. ~ 197 a.a) full-length human protein.
Sequence	MDVGSKEVLMEPPDYSAAPRGRFGIPCCPVHLKRLIVVVVVLIVVIVGALLMGLHMSQKHTEMVLEMSIGAPEAQQLALSEHLVTTATFSIGSTGLVVYDYQQLLIAYKPAPGTCCYIMKIAPESIPSEALNRKVHNFQMECSLQAKPAVPTSKLGQAEGRDAGSAPSGGDP AFLGMAVNTLCGEVPLYI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (78); Rat (78)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — SFTPC

Entrez GeneID [6440](#)

GeneBank Accession# [NM_003018](#)

Protein Accession# [NP_003009.1](#)

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

- [Asthma](#)
- [Bronchiolitis](#)
- [Bronchopulmonary Dysplasia](#)

- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Lung Diseases](#)
- [Premature Birth](#)
- [Pulmonary Alveolar Proteinosis](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Pulmonary Fibrosis](#)
- [Respiratory Distress Syndrome](#)
- [Respiratory Syncytial Virus Infections](#)