

Rabbit anti-Human Pulmonary Surfactant-Associated Protein D (SFTPD) Monoclonal Antibody | anti-SFTPD antibody

Pulmonary Surfactant-Associated Protein D (SFTPD) Recombinant Rabbit Monoclonal Antibody [Clone SFTPD/7086R]

CATALOG # AAA215918	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Pulmonary Surfactant-Associated Protein D (SFTPD); Monoclonal Antibody; Pulmonary Surfactant-Associated Protein D (SFTPD) Recombinant Rabbit Monoclonal Antibody [Clone SFTPD/7086R]; COLEC7; Collectin-7; Lung surfactant protein D; PSP-D Surfactant protein D; PSPD; Pulmonary surfactant associated protein PSP-D; SFTP 4; SFTP4; SFTPD; SP-D; Surfactant associated protein pulmonary 4; anti-SFTPD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit/IgG
Clone Number	SFTPD/7086R
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-SFTPD antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant fragment (around aa241-336) of human SFTPD protein (exact sequence is proprietary)
Cellular Localization	Secreted
Positive Control	Epithelial cells of the lung, skin, small intestine or bladder.
Hu-chromosome Location	10q22.3
Unigene	253495
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human lung carcinoma stained with Surfactant Protein D
Recombinant Rabbit Monoclonal (SFTPD/7086R).

ADDITIONAL INFORMATION

Related Product Information for anti-SFTPD antibody	Pulmonary surfactant is primarily responsible for lowering the surface tension at the air-liquid interface in the alveoli, a process that is essential for normal respiration. Pulmonary surfactant is a mixture of phospholipids and proteins, including four distinct surfactant-associated proteins (SPs), SP-A, SP-B, SP-C, SP-D. SP-B and SP-C are predominantly hydrophobic proteins that associate with lipids to promote the absorption of surfactant phospholipids and to reduce the surface tension in the alveoli. SP-A and SP-D are large multimeric proteins belonging to the family of calcium-dependent lectins, designated Collectins, which contribute to the innate immune system. Both SP-A and SP-D have been shown to protect against microbial challenge through binding to the lipid components of the bacterial cell wall and facilitating the rapid removal of microbes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61699226
NCBI GeneID	6441
NCBI Accession #	NP_003010.4
NCBI GenBank Nucleotide #	NM_003019.4
UniProt Accession #	P35247; Q5T0M3; Q6FH08; Q86YK9; Q8TCD8; Q9UCJ2; Q9UCJ3
Molecular Weight	37,728 Da
NCBI Official Full Name	pulmonary surfactant-associated protein D
NCBI Official Synonym Full Names	surfactant protein D
NCBI Official Symbol	SFTPD
NCBI Official Synonym Symbols	SP-D; PSP-D; SFTP4; COLEC7
NCBI Protein Information	pulmonary surfactant-associated protein D; collectin 7; collectin-7; lung surfactant protein D; pulmonary surfactant apoprotein; surfactant, pulmonary-associated protein D; surfactant-associated protein, pulmonary 4
UniProt Protein Name	Pulmonary surfactant-associated protein D
UniProt Gene Name	SFTPD
UniProt Synonym Gene Names	COLEC7; PSPD; SFTP4; PSP-D; SP-D
UniProt Entry Name	SFTPD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.