

Rabbit SFTPB Polyclonal Antibody | anti-SFTPB antibody

SFTPB antibody - middle region

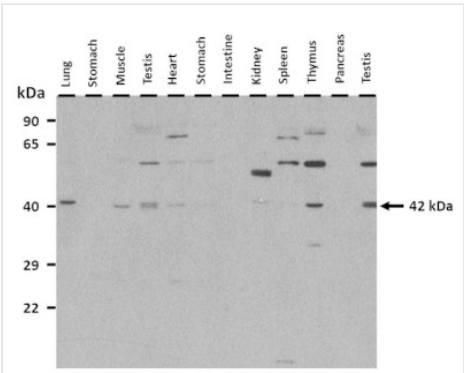
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23490	Rabbit	Tested Species Reactivity: Human, Mouse, Rat Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit, Sheep	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

SFTPB; Polyclonal Antibody; SFTPB antibody - middle region; anti-SFTPB antibody

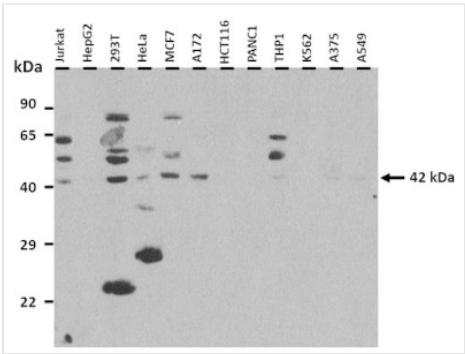
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human, Mouse, Rat Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5mg/mL (varies by lot)
Sequence	Synthetic peptide located within the following region: PG ALQARPGPHT QDLSEQQFPI PLPYCWL CRA LIKRIQAMIP KGALAVAV
Sequence Length	381
Applicable Applications for anti-SFTPB antibody	WB (Western Blot), IHC (Immunohistochemistry)
Protein Size (# AA)	381 amino acids
Homology	Cow: 86%; Dog: 100%; Guinea Pig: 100%; Human: 100%; Mouse: 92%; Rabbit: 85%; Rat: 100%; Sheep: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human SFTPB
Protein Interactions	CTSH;
Enhanced Validation	WB, Y, SPR, YCHAROS
Blocking Peptide	For anti-SFTPB (AAA23490) antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



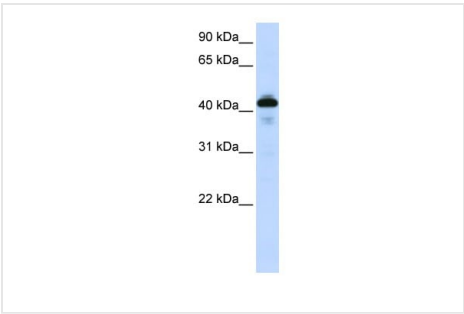
WB (Western Blot)

25 ug of the indicated Rat tissue extracts was loaded onto a 12% SDS-PAGE gel. 0.4 ug/mL of the antibody was used in this experiment. Protein is glycosylated.



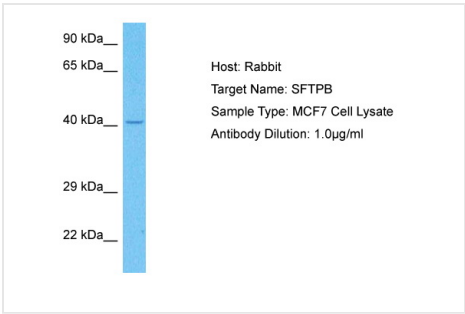
WB (Western Blot)

25 ug of the indicated Human whole cell extracts was loaded onto a 12% SDS-PAGE gel. 0.4 ug/mL of the antibody was used in this experiment. Protein is glycosylated, and processed to yield a propeptide and a mature chain.



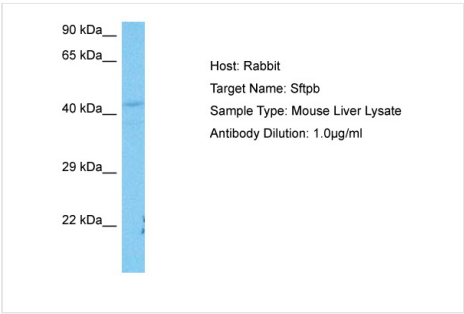
WB (Western Blot)

WB Suggested Anti-SFTPb Antibody Titration: 0.2-1 ug/mL ELISA Titer: 1:1562500 Positive Control: 721_B cell lysate



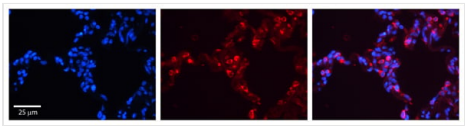
WB (Western Blot)

Host: Rabbit Target Name: SFTPb Sample Tissue: Human MCF7 Whole Cell Antibody Dilution: 1ug/ml



WB (Western Blot)

Host: Mouse Target Name: SFTPb Sample Tissue: Mouse Liver Antibody Dilution: 1ug/ml



IHC (Immunohistochemistry)

SFTPb antibody - middle region Formalin Fixed Paraffin Embedded Tissue: Human Lung Tissue Observed Staining: Cytoplasm and membrane of pneumocytes Primary Antibody Concentration: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-SFTPb antibody	This is a rabbit polyclonal antibody against SFTPb. It was validated on Western Blot using a cell lysate as a positive control. Target Description: SFTPb is 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. See also SFTP1, SFTPc, and SFTPd. 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 SFTP1 (MIM 178630), SFTPc (MIM 178620), and SFTPd (MIM 178635).[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-SFTPb antibody	Polyclonal; Signal Proteins; Drugs and Drug Metabolism; Tissue Specific & Cell Marker; Hypoxia

NCBI AND UNIPROT INFORMATION

NCBI GI #	1516607915
NCBI GeneID	6439
NCBI Accession #	NP_000533
NCBI GenBank Nucleotide #	NM_000542
UniProt Accession #	B2RC55; P07988
Molecular Weight	42kDa
NCBI Official Full Name	pulmonary surfactant-associated protein B isoform 1
NCBI Official Synonym Full Names	surfactant protein B
NCBI Official Symbol	SFTPb
NCBI Official Synonym Symbols	SP-B; PSP-B; SFTB3; SFTP3; SMDP1
NCBI Protein Information	pulmonary surfactant-associated protein B

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sftp-b-antibody-western-blot-immunohistochemistry-elisa/23490>