

Rabbit SFTP2 Polyclonal Antibody | anti-SFTP2 antibody

SFTP2 antibody - N-terminal region

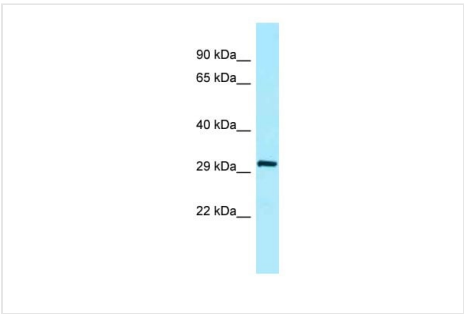
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201256	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Pig, Rabbit, Sheep, Zebrafish	Western Blot

PRODUCT SYNONYMS

SFTP2; Polyclonal Antibody; SFTP2 antibody - N-terminal region; anti-SFTP2 antibody

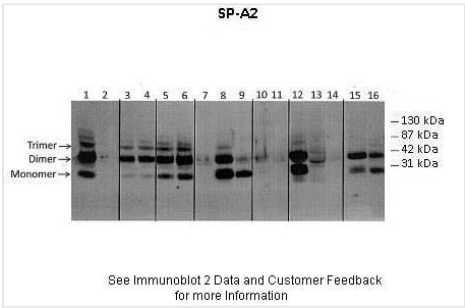
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Pig, Rabbit, Sheep, Zebrafish
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	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following sequence: PG NNGLPAGPV PGERGEKGEA GERGPPGLPA HLDEELQATL HDFRHQIL
Sequence Length	248
Applicable Applications for anti-SFTP2 antibody	WB (Western Blot)
Protein Size (# AA)	248 amino acids
Homology	Cow: 100%; Dog: 92%; Goat: 91%; Guinea Pig: 86%; Horse: 86%; Human: 100%; Mouse: 86%; Pig: 93%; Rabbit: 86%; Rat: 86%; Sheep: 93%; Zebrafish: 85%!
Protein Interactions	SFTP2; SFTP1; CD93;
Blocking Peptide	For anti-SFTP2 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)

WB Suggested Anti-SFTP2 Antibody Titration: 1.0 ug/ml Positive Control: Fetal Heart



WB (Western Blot)

Lanes: Lane 1: 25ng purified Human Alveolar sample (w/SP-A1+SP-A2) Lane 2: 25ng purified Human Alveolar sample (w/SP-A1+SP-A2) Lane 3: 20ug Rat bronchoalveolar lavage Lane 4: 25ng hSP-A2 variant expressed in CHO cells Lane 5: 25ng hSP-A2 variant expressed in CHO cells Lane 6: 25ng hSP-A1/A2 variants expressed in CHO cells Lane 7: 25ng hSP-A1/A2 variants expressed in CHO cells Lane 8: 20ug SP-A1/2 KO mouse bronchoalveolar lavage Lane 9: 20ug hSP-A2 variant transgenic mouse bronchoalveolar lavage Lane 10: 20ug hSP-A2 variant transgenic mouse bronchoalveolar lavage Lane 11: 20ug hSP-A1 variant transgenic mouse bronchoalveolar lavage Lane 12: 20ug hSP-A1/A2 variants transgenic mouse bronchoalveolar lavage Lane 13: 20ug mSP-A1/A2 bronchoalveolar lavage; +/- mouse Lane 14: 20ug mSP-A1/A2 bronchoalveolar lavage; WT mouse Lane 15: 10ug human alveolar cell lysate Lane 16: 25ng purified hSP-A1/A2 Primary Antibody Dilution: 1:2500 Secondary Antibody: IgG HRP ConJ Secondary Antibody Dilution: 1:10000 Gene Name: SFTP2 Submitted by: Todd M. Umstead, Pennsylvania State University College of Medicine



WB (Western Blot)

Lanes: 1: 20ng human SP-A2 protein, 2: 20ug rat wt BAL cell lysate, 3: 25ng hSP-A2 (1A0) protein purified from transfected CHO lysate, 4: 25ng hSP-A2 (1A1) protein purified from transfected CHO lysate, 5: 25ng hSP-A1 (6A2) protein purified from transfected CHO lysate, 6: 25ng hSP-A1 (6A4) protein purified from transfected CHO lysate, 7: 25ng hSP-A2/1 (1A0/6A4) protein purified from transfected CHO lysate, 8: 25ng hSP-A2/1 (1A1/6A2) protein purified from transfected CHO lysate, 9: 20ug SP-A KO mouse BAL lysate, 10: 25ng hSP-A2 (1A0) protein purified from transfected mouse BAL lysate, 11: 25ng hSP-A2 (1A1) protein purified from transfected mouse BAL lysate, 12: 25ng hSP-A1 (6A2) protein purified from transfected mouse BAL lysate, 13: 25ng hSP-A1 (6A4) protein purified from transfected mouse BAL lysate, 14: 25ng hSP-A2/1 (1A0/6A2) protein purified from transfected mouse BAL lysate, 15: 25ng mouse SP-A2 protein purified from mouse BAL lysate, 16: 20ug mouse wt BAL lysate, 17: 15ug human wt T2 lysate, 18: 25ng human SP-A2 protein.

ADDITIONAL INFORMATION

Related Product Information for anti-SFTP2 antibody	This is a rabbit polyclonal antibody against SFTP2. It was validated on Western Blot Target Description: This gene is one of several genes encoding pulmonary-surfactant associated proteins (SFTP2) located on chromosome 10. Mutations in this gene and a highly similar gene located nearby, which affect the highly conserved carbohydrate recognition domain, are associated with idiopathic pulmonary fibrosis. The current version of the assembly displays only a single centromeric SFTP2 gene pair rather than the two gene pairs shown in the previous assembly which were thought to have resulted from a duplication.
Product Categories/Family for anti-SFTP2 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Cell Biology; Developmental Biology; Epigenetics; DNA/RNA/Protein Interactions; Meiosis/Mitosis/Cell Cycle

NCBI AND UNIPROT INFORMATION

NCBI GI #	148886696
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NCBI GeneID	729238
NCBI Accession #	NP_001092138
NCBI GenBank Nucleotide #	NM_001098668
UniProt Accession #	Q8IWL1
Molecular Weight	26kDa
NCBI Official Full Name	pulmonary surfactant-associated protein A2 isoform 1
NCBI Official Synonym Full Names	surfactant protein A2
NCBI Official Symbol	SFPA2
NCBI Official Synonym Symbols	PSAP; PSPA; SP-A; SPA2; PSP-A; SFTP1; SP-2A; SPAlI; COLEC5; SFPA2B
NCBI Protein Information	pulmonary surfactant-associated protein A2
UniProt Protein Name	Pulmonary surfactant-associated protein A2
UniProt Gene Name	SFPA2
UniProt Synonym Gene Names	COLEC5; PSAP; SFTP1; SFPA; SFPA2B; PSP-A; PSPA; SP-A; SP-A2
UniProt Entry Name	SFPA2_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/sftpa2-antibody-western-blot-elisa/201256>