

For Research Use Only

Surfactant Protein A Polyclonal antibody



Catalog Number: 11850-1-AP

6 Publications

Basic Information

Catalog Number: 11850-1-AP	GenBank Accession Number: BC026229	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop and 533 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 653509	Recommended Dilutions: IHC 1:200-1:1000
Source: Rabbit	Full Name: surfactant protein A1	
Isotype: IgG	Calculated MW: 248 aa, 26 kDa	
Immunogen Catalog Number: AG2417		

Applications

Tested Applications: FC, IHC, ELISA	Positive Controls: IHC : human lung tissue, human heart tissue, human kidney tissue, human placenta tissue, human skin tissue, human brain tissue, human spleen tissue, human ovary tissue, human lung cancer tissue
Cited Applications: IHC, WB	
Species Specificity: human	
Cited Species: human, mouse, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Surfactant protein A (SP-A), is the major protein component of pulmonary surfactant involved in surfactant-related function or structure and in the regulation of inflammatory processes and innate host defenses. In humans and primates, SP-A1 (SFTPA1) and SP-A2 (SFTPA2) genes encode SP-A, and these two SP-A genes have high homology (PMID: 34484180, PMID: 19392648). This antibody can recognize both SP-A1 (SFTPA1) and SP-A2 (SFTPA2).

Notable Publications

Author	Pubmed ID	Journal	Application
Guangying Yang	35682694	Int J Mol Sci	WB
Lu Yuan	34181042	Cancer Immunol Immunother	IHC
Xiaojing Yang	35689653	Environ Toxicol	WB

Storage

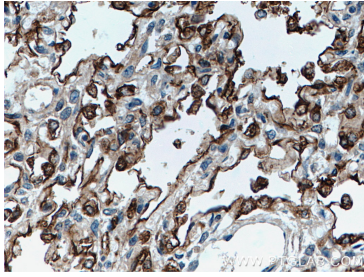
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

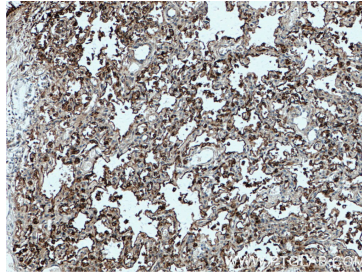
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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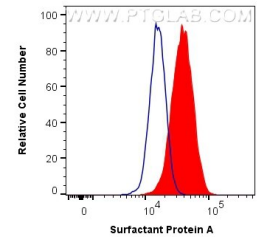
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 11850-1-AP (Surfactant Protein A antibody) at dilution of 1:800 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 11850-1-AP (Surfactant Protein A antibody) at dilution of 1:800 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ A549 cells were intracellularly stained with 0.4 ug Anti-Human Surfactant Protein A (11850-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).