

For Research Use Only

Surfactant Protein A Recombinant monoclonal antibody

Catalog Number: 86322-1-RR



Basic Information

Catalog Number:	86322-1-RR	GenBank Accession Number:	BC026229	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	653509	CloneNo.:	250912G10
Source:	Rabbit	UNIPROT ID:	Q8IWL2	Recommended Dilutions:	IHC: 1:4000-1:16000 IF-P: 1:500-1:2000
Isotype:	IgG	Full Name:	surfactant protein A1		
Immunogen Catalog Number:	AG2417	Calculated MW:	248 aa, 26 kDa		

Applications

Tested Applications:

IHC, IF-P, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : mouse lung tissue,

IF-P : human lung tissue, rat lung tissue, mouse lung tissue

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).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

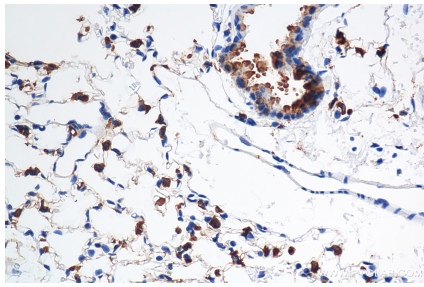
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

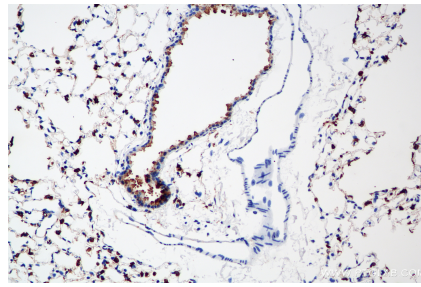
E: proteintech@ptglab.com
W: ptglab.com

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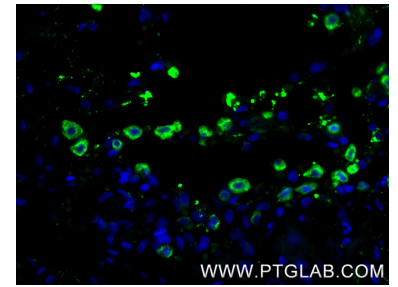
Selected Validation Data



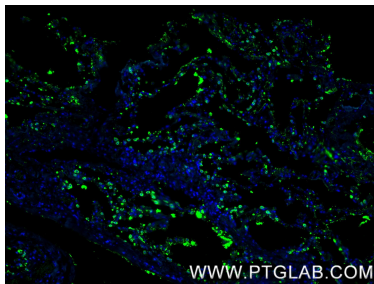
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 86322-1-RR (Surfactant Protein A antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 86322-1-RR (Surfactant Protein A antibody) at dilution of 1:8000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human lung tissue using Surfactant Protein A antibody (86322-1-RR, Clone: 250912G10) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human lung tissue using Surfactant Protein A antibody (86322-1-RR, Clone: 250912G10) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).