

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
Source: Rabbit	GeneID (NCBI): 653509	CloneNo.: 250912G10
Isotype: IgG	UNIPROT ID: Q8IWL2	Recommended Dilutions: IHC: 1:4000-1:16000 IF-P: 1:500-1:2000
Immunogen Catalog Number: AG2417	Full Name: surfactant protein A1 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

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

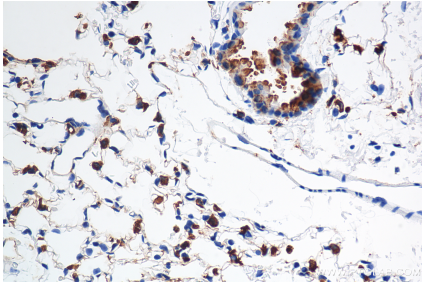
T: 4006900926

E: Proteintech-CN@ptglab.com

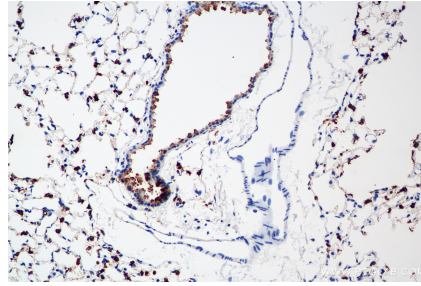
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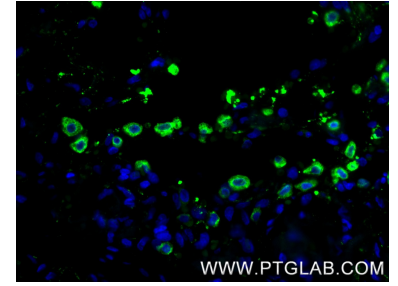
Selected Validation Data



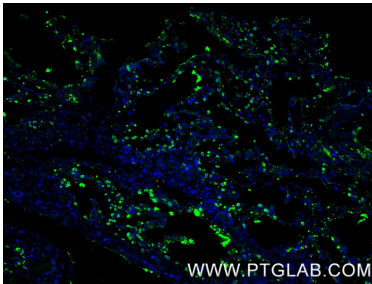
Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 86322-1-RR (Surfactant Protein A antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).