

# Product Datasheet

## Surfactant Protein A Antibody

### NBP2-12928

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-12928**

## Surfactant Protein A Antibody

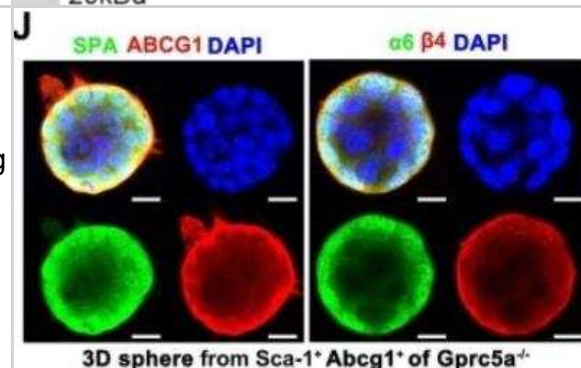
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Product Description	
Host	Goat
Gene ID	653509
Gene Symbol	SFTPA1
Species	Human, Mouse
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Bovine. Use in Mouse reported in scientific literature (PMID:32157214).
Specificity/Sensitivity	This antibody is expected to recognize all the reported isoforms of A1 (NP_005402.3; NP_001087239.2; NP_001158117.1; NP_001158118.1) and A2 ( NP_001092138.1), Reported variants represent identical protein: NP_001158116.1, NP_005402.3, NP_001158119.1
Immunogen	Peptide with sequence C-HLDEELQATLHDFR corresponding to internal region according to NP_005402.3, NP_001087239.2, NP_001158117.1, NP_001158118.1, NP_001092138.1.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.01 ug/ml, Immunohistochemistry 5 ug/mL, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 5 ug/mL, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Approx. 30 kDa band observed in human lung lysates (calculated MW of 27.7 kDa band according to NP_001087239.2). Use in Immunocytochemistry/Immunofluorescence reported in scientific literature (PMID:32157214).

## Images

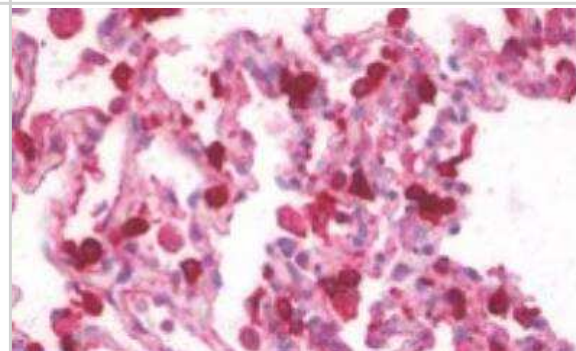
Western Blot: Surfactant Protein A Antibody [NBP2-12928] - Staining of Human Lung lysate (35 ug protein in RIPA buffer). Antibody at 0.01 ug/mL. Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa

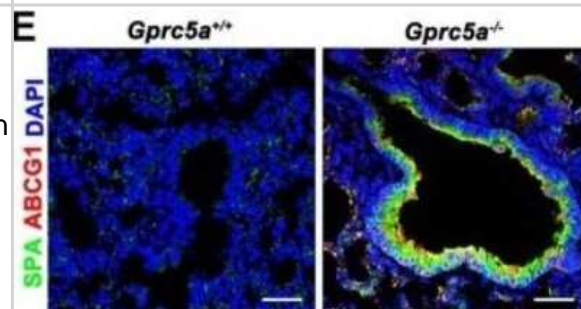
Immunocytochemistry/Immunofluorescence: Surfactant Protein A Antibody [NBP2-12928] - Sca-1+Abcg1+cells are the cancer stem cell-like subset of AT2 cells. Confocal analysis of SPA/ABCG1 and alpha6/beta4 in spheroid of Sca-1+Abcg1+cells isolated from KO mice, (Bar = 10 um). Image collected and cropped by CiteAb from the following publication ([www.nature.com/articles/s41388-020-1251-2](http://www.nature.com/articles/s41388-020-1251-2)) licensed under a CC-BY license.



Immunohistochemistry-Paraffin: Surfactant Protein A Antibody [NBP2-12928] - Staining of paraffin embedded Human Lung. Antibody at 5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunocytochemistry/Immunofluorescence: Surfactant Protein A Antibody [NBP2-12928] - GPRC5A deficiency promotes the phosphorylation and acetylation of NF-κB and mediates the elevation of ABCG1 expression in AT2 cells. IF analysis of ABCG1 in the S/TB region of lung tissue from WT or KO mice, (Bar = 100 um). Image collected and cropped by CiteAb from the following publication ([www.nature.com/articles/s41388-020-1251-2](http://www.nature.com/articles/s41388-020-1251-2)) licensed under a CC-BY license.







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### **Products Related to NBP2-12928**

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HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00653509-P01-10ug	Recombinant Human Surfactant Protein A GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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