Product Datasheet

Surfactant Protein A Antibody (6F10) - BSA Free
NBP2-41344-0.025mg

Unit Size: 0.025 mg

Store at 4C in the dark.

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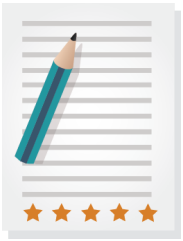
Publications: 6

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-41344

Updated 5/23/2024 v.20.1



NBP2-41344-0.025mg

Surfactant Protein A Antibody (6F10) - BSA Free

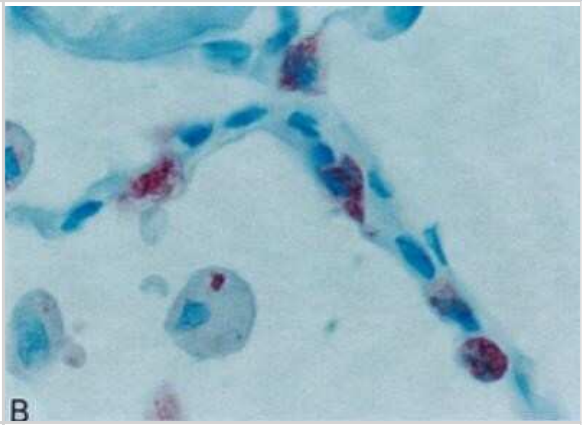
Product Information	
Unit Size	0.025 mg
Concentration	1 mg/ml
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	6F10
Preservative	0.9% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10mM Phosphate (pH 7.4) and 0.5M NaCl

Product Description	
Host	Mouse
Gene ID	653509
Gene Symbol	SFTPA1
Species	Human
Specificity/Sensitivity	Specific for human pulmonary Surfactant protein A (SP-A).
Immunogen	Native SP-A purified from bronchioaveolar lavage from proteinosis patients

Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Microarray, Protein Array
Recommended Dilutions	Western Blot 1:1000, ELISA 1:4000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Microarray, Protein Array
Application Notes	Use in Microarray reported in scientific literature (PMID 24009888). Use in Protein Array reported in scientific literature (PMID 25735706). ELISA: NBP2-41344 reacts strongly with SP-A when tested in ELISA with SP-A directly coated onto the microtiter well. WB: In Western blotting after SDS-PAGE NBP2-41344 reacts with reduced forms of SP-A and weaker with non-reduced forms. A dilution guideline of 1/1000 has proved successful. (2) IHC: In immunohistochemical staining from paraffin embedded tissue samples, NBP2-41344 reacts specifically with human SP-A. Immunoreactivity is seen with alveolar type II cells, nonciliated bronchial cells and a subset of alveolar macrophages. No reactivity in samples from the pancreas, intestines, thymus, prostate gland or the peritoneal cavity lining cells. (1, 2)

Images

Immunohistochemistry-Paraffin: Surfactant Protein A Antibody (6F10) [NBP2-41344] - Analysis using the Biotin conjugate of NBP2-41344. Staining of sections of human lung



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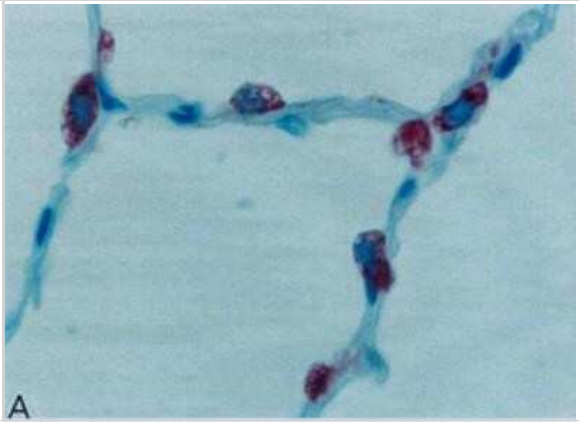

Publications

Ghosh A, Ahmad S, Coakley RD et al. Lipid Laden Macrophages are not Unique to EVALI Patients American journal of respiratory and critical care medicine 2020-12-17 [PMID: 33332247]

Jung AL, Moller Jorgensen M, Baek R et al. Surface Proteome of Plasma Extracellular Vesicles as Biomarkers for Pneumonia and Acute Exacerbation of Chronic Obstructive Pulmonary Disease J. Infect. Dis. 2019-10-16 [PMID: 31617573] (Human)

Baek R, Varming K, Jorgensen MM. Does smoking, age or gender affect the protein phenotype of extracellular vesicles in plasma?. Transfus. Apher. Sci. 2016-08-01 [PMID: 27470710]

Sandfeld-Paulsen B, Jakobsen KR, Baek R et al. Exosomal Proteins as Diagnostic Biomarkers in Lung Cancer J Thorac Oncol 2016-06-22 [PMID: 27343445]

Jorgensen M, Baek R, Pedersen S et al. Extracellular Vesicle (EV) Array: microarray capturing of exosomes and other extracellular vesicles for multiplexed phenotyping J Extracell Vesicles 2013-06-18 [PMID: 24009888] (MiAr, Human)

Details:
This citation used the Biotin version of this antibody.

Jakobsen KR, Paulsen BS, Baek R et al. Exosomal proteins as potential diagnostic markers in advanced non-small cell lung carcinoma J Extracell Vesicles 2015-03-04 [PMID: 25735706] (PA, Human)

Details:
Surfactant Protein A antibody (clone 6F10) used in Extracellular Vesicle Array /EV Array application for phenotyping exosomes directly from the plasma samples of non-small cell lung carcinoma/ NSCLC patients with advanced stage (IIIa-IV) disease and matched control subjects initially suspected of having cancer, but diagnosed to be cancer free. The array implicated 37 antibodies against lung cancer-related proteins.

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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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