Product **Datasheet**

Anti-SP-A Rabbit pAb

WLH4103

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-SP-A Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	Immunohistochemistry 1:100-1:400 Immunofluorescence 1:100-1:400
	**Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.*
Pack size	50/100/200/500/1000µl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

SP-A gene encodes a lung surfactant protein that is a member of a subfamily of C-type lectins called collectins. The encoded protein binds specific carbohydrate moieties found on lipids and on the surface of microorganisms. Pulmonary surfactant is primarily responsible for lowering the surface tension at the air-liquid interface in the alveoli, a process that is essential for normal respiration. Pulmonary surfactant is a mixture of phospholipids and proteins, including four distinct surfactant-associated proteins (Sps), SP-A, SP-B, SP-C, SP-D. In humans, there are four SFTPA genes localized on chromosome 10.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of SP-A.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

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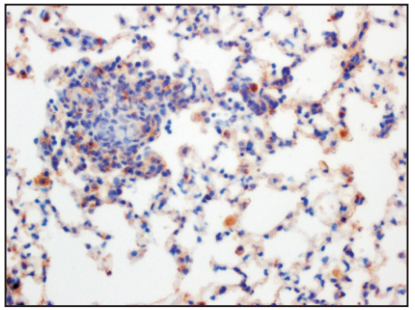
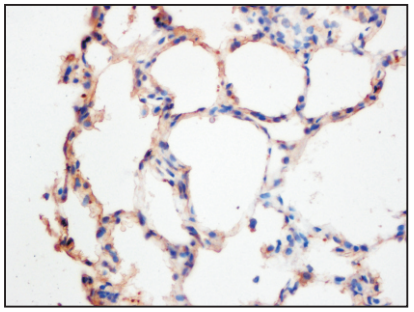
Product Images



Immunohistochemistry-Anti-SP-A pAb

Sample: Mouse lung tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:300, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



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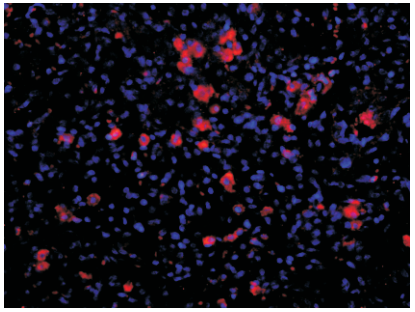

Immunofluorescence-Anti-SP-A pAb

Sample: Human lung tissue
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-CY3: 1:200, at room temperature, 1h

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