SFTPC Conjugated Antibody

Catalog No: #C32459

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Package Size: #C32459-Conjugated 50ul #C32459-AF680 100ul #C32459-Biotin 100ul #C32459-AF555 100ul #C32459-AF488 100ul #C32459-AF594 100ul #C32459-AF647 100ul #C32459-AF750 100ul #C32459-AF350 100ul #C32459-AF405 100ul

Description

Product Name	SFTPC Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB, IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total SFTPC protein.
Immunogen Description	Recombinant protein of human SFTPC.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	SP-C;PSP-C;SFTP2;SMDP2;BRICD6
Accession No.	Swiss-Prot#:P11686NCBI Gene ID:6440
Calculated MW	21
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

WB: 1:50-1:200

IF:1:50-1:200

Product Description

Antibodies were purified by affinity purification using immunogen.

Background

This gene encodes the pulmonary-associated surfactant protein C (SPC), an extremely hydrophobic surfactant protein essential for lung function and homeostasis after birth. Pulmonary surfactant is a surface-active lipoprotein complex composed of 90% lipids and 10% proteins which include plasma proteins and apolipoproteins SPA, SPB, SPC and SPD. The surfactant is secreted by the alveolar cells of the lung and maintains the stability of pulmonary tissue by reducing the surface tension of fluids that coat the lung. Multiple mutations in this gene have been identified, which cause pulmonary surfactant metabolism dysfunction type 2, also called pulmonary alveolar proteinosis due to surfactant protein C deficiency, and are associated with interstitial lung disease in older infants, children, and adults. Alternatively spliced transcript variants encoding different protein isoforms have been identified.

Published Papers

el at., A Novel Airway-Organoid Model Based on a Nano-Self-Assembling Peptide: Construction and Application in Adenovirus Infection StudiesIn Int J NanomedicineOn2023 Sep 13byYun-E Xu , Di-Shu Ao et al..PMID:37727651, , (2023)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.