



Mouse anti-Human SFTPC monoclonal antibody, clone 6F7B0 (CABT-B9542)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Purified recombinant fragment of human SFTPC (amino acids: 60-180) expressed in E. Coli.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	6F7B0
Purification	purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	1 mg/ml
Size	100 µg
Buffer	PBS with 0.5% proprietary stabilizer
Preservative	0.05% sodium azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

BACKGROUND

Introduction

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.[provided by RefSeq, Feb 2010]

Keywords

SFTPC; surfactant protein C; SP-C; PSP-C; SFTP2; SMDP2; BRICD6; pulmonary surfactant-associated protein C; SP5; BRICHOS domain containing 6; pulmonary surfactant apoprotein-2 SP-C; pulmonary surfactant-associated proteolipid SPL(Val);

GENE INFORMATION

Entrez Gene ID

[6440](#)

UniProt ID

[P11686](#)