

SFTPb polyclonal antibody

Catalog: BS6294

Host: Rabbit

Reactivity: Human

BackGround:

This gene encodes the pulmonary-associated surfactant protein B (SPB), an amphipathic 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. The SPB enhances the rate of spreading and increases the stability of surfactant monolayers in vitro. Multiple mutations in this gene have been identified, which cause pulmonary surfactant metabolism dysfunction type 1, also called pulmonary alveolar proteinosis due to surfactant protein B deficiency, and are associated with fatal respiratory distress in the neonatal period. Alternatively spliced transcript variants encoding the same protein have been identified.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

42kDa

Swiss-Prot:

P07988

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific

immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:500-1:1000

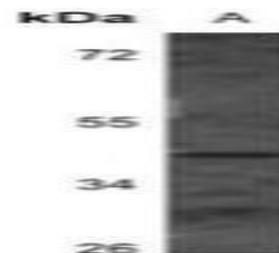
IF/ICC:1:50-1:200

Storage&Stability:

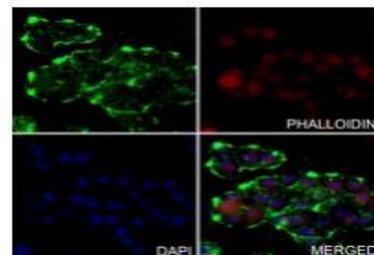
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Specificity:

SFTPb polyclonal antibody detects endogenous levels of SFTPb protein.

DATA:

Western blot analysis of SFTPb expression in A549 (A) whole cell lysates.



Immunofluorescent analysis of SFTPb staining in HeLa cells.

Note:

For research use only, not for use in diagnostic procedure.

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