

SP-B (Rodent) Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251406

Unit: 0.1 mg

Description:

Pulmonary surfactant-associated proteins (SP-B) promote alveolar stability by lowering the surface tension at the air-liquid interface in the peripheral air spaces. SP-B increases the collapse pressure of palmitic acid to nearly 70 millinewtons per meter. Genetic variations in SP-B are a cause of susceptibility to respiratory distress syndrome in premature infants (RDS). RDS is a lung disease affecting usually premature newborn infants. It is characterized by deficient gas exchange, diffuse atelectasis, high-permeability lung edema and fibrin-rich alveolar deposits called 'hyaline membranes'.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: M, R

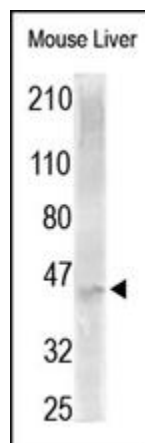
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: SP-B; Pulmonary surfactant-associated glycoprotein B; Pulmonary surfactant-associated protein B; Pulmonary surfactant-associated proteolipid SPL(PHE); 18 kDa pulmonary-surfactant protein; 6 kDa protein; SFTPB; SFTP3

Accession No.: P07988

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of mouse SP-B.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



The SP-B (Rodent) Antibody is used in Western blot to detect SP-B in mouse liver lysate.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: Romain-Perez M et al. 2013. Endocrinology Journals. Endocrinology. 154(3):1144-1155. PMID# 23354098.

For research use only, not for diagnostic or therapeutic procedures.