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# Rabbit Anti-SP-B/Surfactant Protein B antibody

SL1034R

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| **Product Name** | SP-B/Surfactant Protein B |
| **Chinese Name** | 肺表面活性蛋白 B 抗体 |
| **Alias** | 18 kDa pulmonary surfactant protein; 18 kDa pulmonary-surfactant protein; 6 kDa protein; Pulmonary surfactant apoprotein PSP B; Pulmonary surfactant associated protein B 18kD; Pulmonary surfactant associated protein B; Pulmonary surfactant associated proteolipid SPL Phe; SFTB3; SFTP3; SFTPB; SFTPB surfactant; Surfactant pulmonary associated protein B; Prosurfactant Protein B; pulmonary surfactant-associated glycoprotein B; proSP B; PSP B; PSPB; PSPB_MOUSE; Pulmonary surfactant-associated protein B; Pulmonary surfactant-associated proteolipid SPL(Phe); SFTB3; SFTP3; SFTPB; SP B; SPB. |
| **Research Area** | Tumour Cardiovascular Signal transduction The new supersedes the old |
| **Immunogen Species** | Rabbit |
| **Clonality** | Polyclonal |
| **React Species** | Human,Mouse,Rat |
| **Applications** | WB=1:500-2000 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Theoretical molecular weight** | 41kDa |
| **Cellular localization** | Secretory protein |
| **Form** | Liquid |
| **Concentration** | 1mg/ml |
| **immunogen** | KLH conjugated synthetic peptide derived from mouse SP-B: 291-377/377 |
| **Lsotype** | IgG |
| **Purification** | affinity purified by Protein A |
| **Buffer Solution** | Human,Mouse,Rat1M TBS(pH7.4) with 1% BSA, Human,Mouse,Rat3% Proclin300 and 50% Glycerol. |

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| **Storage** | Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Attention** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **PubMed** | PubMed |
| **Product Detail** | Pulmonary surfactant-associated proteins 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.Homodimer; disulfide-linked. Secreted, extracellular space. |

**Function:**
Pulmonary surfactant-associated proteins 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.

**Subunit:**
Homodimer; disulfide-linked.

**Subcellular Location:**
Secreted, extracellular space, surface film.

**Similarity:**
Contains 1 saposin A-type domain.
Contains 3 saposin B-type domains.

**SWISS:**
P07988

**Gene ID:**
6439

**Database links:**

Entrez Gene: 6439 Human

Entrez Gene: 20388 Mouse

Omim: 178640 Human

SwissProt: P15781 Cow

SwissProt: P07988 Human

SwissProt: P50405 Mouse

Unigene: 512690 Human

Unigene: 46033 Mouse

肺泡表面活性物质 B（SP-B）也属糖 Binding protein 家族,参与肺泡表面活性膜的形成和代谢,除在II型细胞中强烈表达外，在细支气管、支气管上皮内也有灶性表达。SP-B 是疏水性蛋白，主要效应是促进磷脂吸附和分布到肺泡气-液交界面，促进磷脂单分子层的形成，只有这种单分子层磷脂才能使表面张力降低到最低水平。