Anti-Surfactant protein D/SP-D antibody ab97849

Overview

Product name: Anti-Surfactant protein D/SP-D antibody
Description: Rabbit polyclonal to Surfactant protein D/SP-D
Host species: Rabbit
Tested applications: Suitable for: WB
Species reactivity: Reacts with: Human
Predicted to work with: Mouse, Rat, Rabbit, Guinea pig, Cat
Immunogen: Synthetic peptide corresponding to Human Surfactant protein D/SP-D aa 107-156 (internal sequence).
Sequence:
PPGPPGPAGREGPLGKQGNIGPQGPKGEAG
PKGEVGAPMQGSA
Positive control: Fetal thymus lysate
General notes: Previously labelled as Surfactant protein D.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer:
Preservative: 0.09% Sodium azide
 Constituents: 2% Sucrose, PBS
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab97849 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
### Function
Contributes to the lung’s defense against inhaled microorganisms. May participate in the extracellular reorganization or turnover of pulmonary surfactant. Binds strongly maltose residues and to a lesser extent other alpha-glucosyl moieties.

### Sequence similarities
Belongs to the SFTPD family.
Contains 1 C-type lectin domain.
Contains 1 collagen-like domain.

### Post-translational modifications
The N-terminus is blocked.
Hydroxylation on proline residues within the sequence motif, GXP, is most likely to be 4-hydroxy as this fits the requirement for 4-hydroxylation in vertebrates.

### Cellular localization
Secreted > extracellular space > extracellular matrix. Secreted > extracellular space > surface film.

### Images

![Western blot - Anti-Surfactant protein D/SP-D antibody (ab97849)](image)

**Anti-Surfactant protein D/SP-D antibody (ab97849) at 1 µg/ml + Fetal thymus cell lysate at 10 µg**

**Secondary**
HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size:** 38 kDa

**Gel concentration:** 12%

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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