abcam

Product datasheet

Anti-Prosurfactant Protein C antibody ab167608

1 图像

概述

产品名称	Anti-Prosurfactant蛋白C抗体
描述	**小鼠多克隆抗体**to Prosurfactant蛋白C
宿主	Mouse
经测试应用	**适用于:** WB
种属反应性	**与反应:** Human **预测可用于:** Orangutan
免疫原	Recombinant full length protein corresponding to Human Prosurfactant Protein C aa 1-197. Database link: **NP_003009.1**
阳性对照	SFTCP transfected 293T cell lysate.
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.4 Constituent: 99% PBS
纯度	Protein A purified
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab167608于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 21 kDa.

靶标

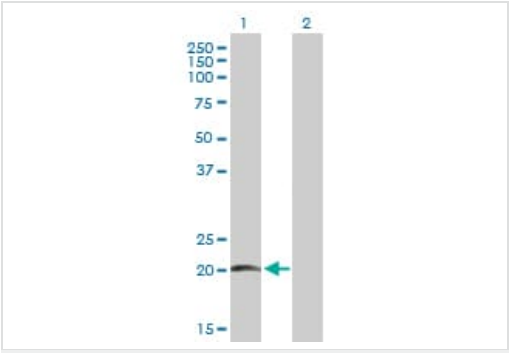
功能 Pulmonary surfactant associated proteins promote alveolar stability by lowering the surface tension at the air-liquid interface in the peripheral air spaces.

疾病相关 Defects in SFTPC are the cause of pulmonary surfactant metabolism dysfunction type 2 (SMDP2) [MIM:610913]; also called pulmonary alveolar proteinosis due to surfactant protein C deficiency. A rare disease associated with progressive respiratory insufficiency and lung disease with a variable clinical course, due to impaired surfactant homeostasis. It is characterized by alveolar filling with floccular material that stains positive using the periodic acid-Schiff method and is derived from surfactant phospholipids and protein components. Excessive lipoproteins accumulation in the alveoli results in severe respiratory distress.
Genetic variations in SFTPC are a cause of susceptibility to respiratory distress syndrome in premature infants (RDS) [MIM:267450]; also known as RDS in prematurity. 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'.

序列相似性 Contains 1 BRICHOS domain.

细胞定位 Secreted > extracellular space > surface film.

图片



Western blot - Anti-Prosurfactant Protein C antibody (ab167608)

All lanes : Anti-Prosurfactant Protein C antibody (ab167608) at 1 µg/ml

Lane 1 : SFTCP transfected 293T cell lysate
Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 15 µl per lane.

Secondary
All lanes : Goat anti-Mouse IgG

Predicted band size: 21 kDa

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