abcam

Product datasheet

Anti-CFTR antibody ab59394

5 Abreviews 9 References 画像数 1

製品の概要

製品名	Anti-CFTR antibody
製品の詳細	Rabbit polyclonal to CFTR
由来種	Rabbit
アプリケーション	**適用あり:** IHC-P
種交差性	**交差種:** Human
免疫原	Synthesized non-phosphopeptide derived from human CFTR around the phosphorylation site of serine 737.
特記事項	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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
精製度	Immunogen affinity purified
特記事項（精製）	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab59394の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	⭐⭐⭐⭐⭐ (3)	1/50 - 1/100.

ターゲット情報

機能 Involved in the transport of chloride ions. May regulate bicarbonate secretion and salvage in epithelial cells by regulating the SLC4A7 transporter.

組織特異性 Found on the surface of the epithelial cells that line the lungs and other organs.

関連疾患 Defects in CFTR are the cause of cystic fibrosis (CF) [MIM:219700]; also known as mucoviscidosis. CF is the most common genetic disease in the Caucasian population, with a prevalence of about 1 in 2'000 live births. Inheritance is autosomal recessive. CF is a common generalized disorder of exocrine gland function which impairs clearance of secretions in a variety of organs. It is characterized by the triad of chronic bronchopulmonary disease (with recurrent respiratory infections), pancreatic insufficiency (which leads to malabsorption and growth retardation) and elevated sweat electrolytes.
Defects in CFTR are the cause of congenital bilateral absence of the vas deferens (CBAVD) [MIM:277180]. CBAVD is an important cause of sterility in men and could represent an incomplete form of cystic fibrosis, as the majority of men suffering from cystic fibrosis lack the vas deferens.

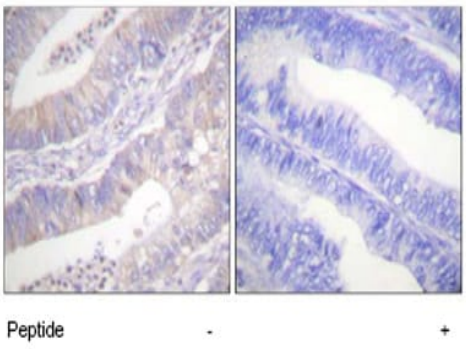
配列類似性 Belongs to the ABC transporter superfamily. ABCC family. CFTR transporter (TC 3.A.1.202) subfamily.
Contains 2 ABC transmembrane type-1 domains.
Contains 2 ABC transporter domains.

ドメイン The PDZ-binding motif mediates interactions with GOPC and with the SLC4A7, SLC9A3R1/EBP50 complex.

翻訳後修飾 Phosphorylated; activates the channel. It is not clear whether PKC phosphorylation itself activates the channel or permits activation by phosphorylation at PKA sites.
Ubiquitinated, leading to its degradation in the lysosome. Deubiquitination by USP10 in early endosomes, enhances its endocytic recycling.

細胞内局在 Early endosome membrane.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CFTR antibody (ab59394)

Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using ab59394 at a 1/50 dilution.
Left image: un-treated.
Right image: treated with peptide.

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