

产品名称: CFTR Rabbit Polyclonal Antibody
产品货号: AP Rab08710



产品概述 (Summary)

产品名称 (Production Name)	CFTR Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CFTR CFTR; ABCC7; Cystic fibrosis transmembrane conductance regulator; CFTR;
别名 (Alternative Names)	ATP-binding cassette sub-family C member 7; Channel conductance-controlling ATPase; cAMP-dependent chloride channel
基因 ID (Gene ID)	1080.0
蛋白 ID (SwissProt ID)	P13569.The antiserum was produced against synthesized peptide derived from human CFTR. AA range:711-760

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	168kDa

产品名称: CFTR Rabbit Polyclonal Antibody
产品货号: AP Rab08710



研究背景 (Background)

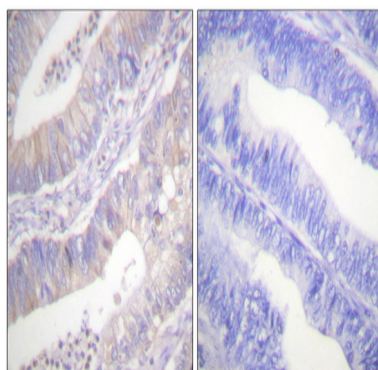
This gene encodes a member of the ATP-binding cassette (ABC) transporter superfamily. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily that is involved in multi-drug resistance. The encoded protein functions as a chloride channel and controls the regulation of other transport pathways. Mutations in this gene are associated with the autosomal recessive disorders cystic fibrosis and congenital bilateral aplasia of the vas deferens. Alternatively spliced transcript variants have been described, many of which result from mutations in this gene. [provided by RefSeq, Jul 2008], catalytic activity: $\text{ATP} + \text{H}_2\text{O} = \text{ADP} + \text{phosphate}$, disease: 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, disease: 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, domain: The PDZ-binding motif mediates interactions with GOPC and with the SLC4A7, SLC9A3R1/EBP50 complex, function: Involved in the transport of chloride ions. May regulate bicarbonate secretion and salvage in epithelial cells by regulating the SLC4A7 transporter, online information: CFTR entry, online information: Cystic fibrosis mutation db, PTM: Phosphorylated; activates the channel. It is not clear whether PKC phosphorylation itself activates the channel or permits activation by phosphorylation at PKA sites, similarity: Belongs to the ABC transporter family, similarity: Belongs to the ABC transporter family. CFTR transporter (TC 3.A.1.202) subfamily, similarity: Contains 2 ABC transmembrane type-1 domains, similarity: Contains 2 ABC transporter domains, subunit: Interacts with SHANK2 (By similarity). Interacts with SLC9A3R1, MYO6 and GOPC. Interacts with SLC4A7 through SLC9A3R1, tissue specificity: Found on the surface of the epithelial cells that line the lungs and other organs,

研究领域 (Research Area)

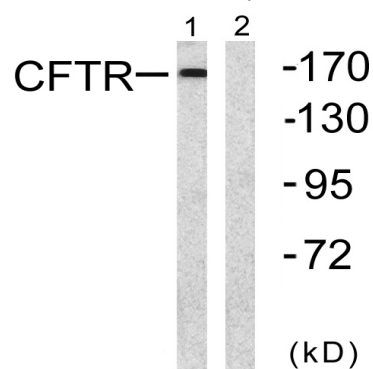
ABC transporters; Vibrio cholerae infection;

图片 (Image Data)

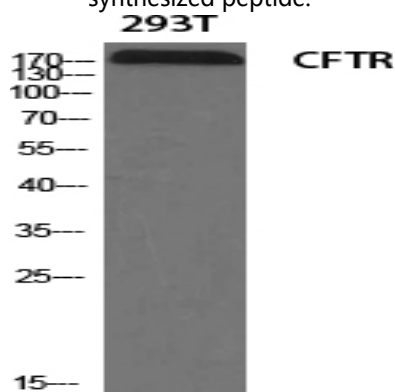
产品名称: CFTR Rabbit Polyclonal Antibody
产品货号: APRab08710



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using CFTR Antibody. The picture on the right is blocked with the synthesized peptide.

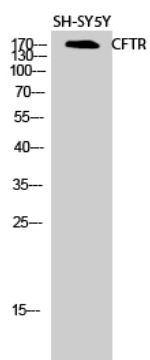


Western blot analysis of lysates from NIH/3T3 cells, using CFTR Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using CFTR Polyclonal Antibody diluted at 1: 2000

产品名称: CFTR Rabbit Polyclonal Antibody
产品货号: APRab08710



Western Blot analysis of SH-SY5Y cells using CFTR Polyclonal Antibody diluted at 1: 2000

注意事项 (Note)

For research use only .