Datasheet for ABIN3024585

anti-CFTR antibody

2 Images

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Overview

Quantity:	100 µg
Target:	CFTR
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CFTR antibody is un-conjugated
Application:	Immunofluorescence (IF), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Human recombinant protein was used as the immunogen for this CFTR antibody.
Clone:	CFTR1-1
Isotype:	IgG2a kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	CFTR
Alternative Name:	CFTR (CFTR Products)
Background:	Cystic fibrosis transmembrane conductance regulator (CFTR) is composed of two membrane-spanning domains (MSD), two nucleotide-binding domains (NBD), and an R domain. It is structurally similar to multidrug resistance (MDR1) protein and both are members of the

Target Details

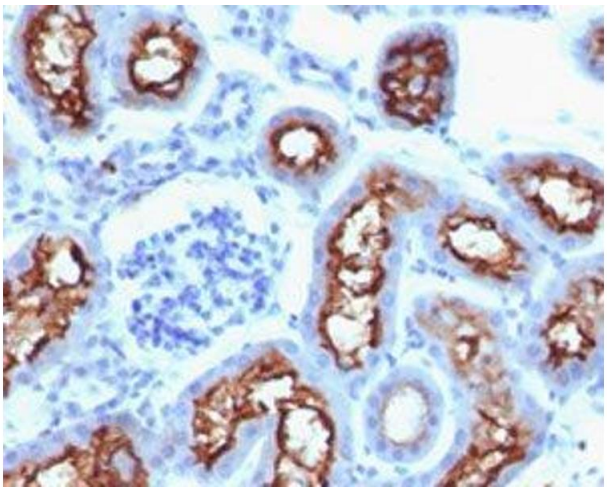
	superfamily of ATP-binding cassette (ABC) transporters, also known as traffic ATPases, which are implicated in the movement of various substrates. The protein is a small conductance adenosine 3',5'-cyclic monophosphate (cAMP)-activated chloride ion channel found in the apical membranes of epithelia within the pancreas, airway, intestine, bile duct, sweat gland, and male genital ducts. CFTR is a valuable marker of human pancreatic duct cell development and differentiation.
Gene ID:	1080

Application Details

Application Notes:	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CFTR antibody to be titered up or down for optimal performance. 1. Staining of FFPE tissue is enhanced by boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9 for 10-20 min followed by cooling at RT for 20 min.\. Immunofluorescence: 1-2 µg/mL,Western blot: 1-2 µg/mL,IHC (FFPE): 0.5-1 µg/mL (1)
Restrictions:	For Research Use only

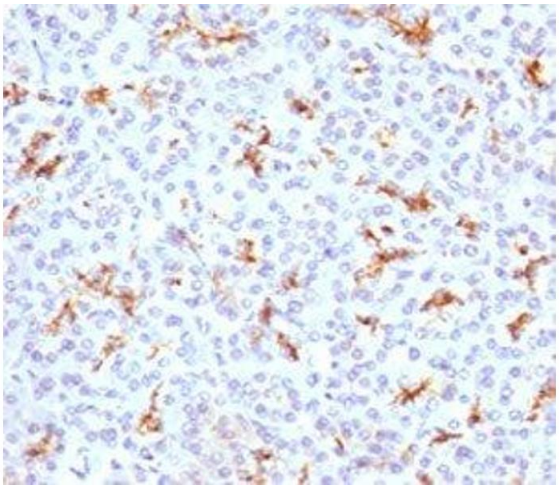
Handling

Concentration:	0.2 mg/mL
Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store the CFTR antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Immunohistochemistry

Image 1. IHC testing of FFPE mouse kidney with CFTR antibody (clone CFTR1-1).



Immunohistochemistry

Image 2. IHC testing of FFPE human pancreas with CFTR antibody (clone CFTR1-1).