

Datasheet for ABIN7504154
anti-CFTR antibody (AA 258-385)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CFTR
Binding Specificity:	AA 258-385
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CFTR antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa 258-385) of human CFTR protein (exact sequence is proprietary)
Isotype:	IgG1
Specificity:	Recognizes a protein of 165-170kDa, identified as cystic fibrosis transmembrane conductance regulator (CFTR). 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 superfamily of ATP-binding cassette (ABC) transporters, also known as traffic ATPases, which are implicated in the movement of various substrates. The CFTR 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.

Product Details

Cross-Reactivity (Details): Human.

Purification: 200ug/ml of Ab purified by Protein A.

Target Details

Target: CFTR

Alternative Name: CFTR ([CFTR Products](#))

Background: ABC35, ATP Binding Cassette Superfamily C Member 7 (ABCC7), cAMP-dependent chloride channel, CFTR, CFTR/MRP, Channel conductance-controlling ATPase, Cystic Fibrosis Transmembrane Conductance Regulator, MRP7, TNR CFTR, CFTR (Cystic Fibrosis Transmembrane Conductance Regulator)
Cellular localisation: Cell Surface. Cytoplasm.

Molecular Weight: 165-170kDa

Gene ID: 1080, 489786, 621460

UniProt: [P13569](#)

Application Details

Application Notes: Positive Control: MOLT-4 cells. Human pancreas, kidney or placenta.
Known Application: Immunohistochemistry (Formalin-fixed) (0.5-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % azide.

Preservative: Sodium azide

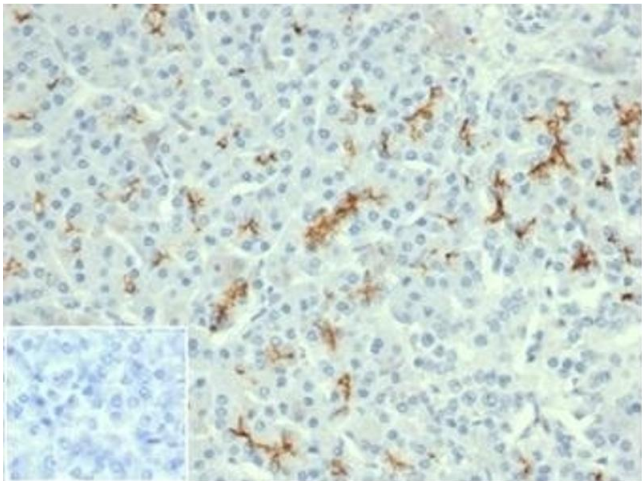
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Handling

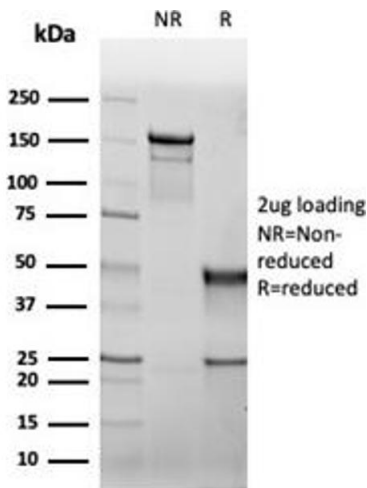
Storage Comment:	Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml.
Expiry Date:	24 months

Images



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human pancreas stained with CFTR Recombinant Mouse Monoclonal Antibody (rCFTR/6476). Inset: PBS instead of primary antibody, secondary negative control.



Western Blotting

Image 2. SDS-PAGE Analysis Purified CFTR Recombinant Mouse Monoclonal Antibody (rCFTR/6476). Confirmation of Purity and Integrity of Antibody.