

Datasheet for ABIN6936957

**Recombinant anti-CFTR antibody (AA 258-385)**[Go to Product page](#)

## Overview

|                      |                                                                                |
|----------------------|--------------------------------------------------------------------------------|
| Quantity:            | 100 µg                                                                         |
| Target:              | CFTR                                                                           |
| Binding Specificity: | AA 258-385                                                                     |
| Reactivity:          | Human                                                                          |
| Host:                | Rabbit                                                                         |
| Antibody Type:       | Recombinant Antibody                                                           |
| Clonality:           | Monoclonal                                                                     |
| Conjugate:           | This CFTR antibody is un-conjugated                                            |
| Application:         | Immunostaining (ISt), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)) |

## Product Details

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:   | Recombinant fragment (around aa 258-385) of human CFTR protein (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Clone:       | CFTR-1775R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Isotype:     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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 |

## Product Details

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.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

## 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 and Cytoplasmic

Molecular Weight: 165-170kDa

Gene ID: 1080, 489786, 621460

UniProt: [P13569](#)

## Application Details

Application Notes: Known\_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0 for 45 min at 95&degC followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.  
Positive\_Control: MOLT-4 cells. Pancreas, Kidney or Placenta.

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C,-80 °C

Handling

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|                  |                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------|
| Storage Comment: | Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. |
| Expiry Date:     | 24 months                                                                                       |