

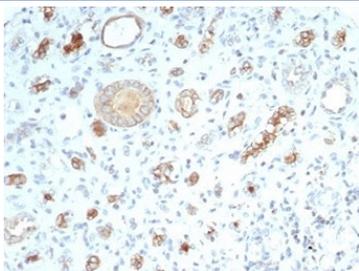
## Recombinant CFTR Antibody / Cystic Fibrosis Transmembrane Regulator [clone CFTR/7003R] (V9382)

Catalog No.	Formulation	Size
V9382-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9382-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9382SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

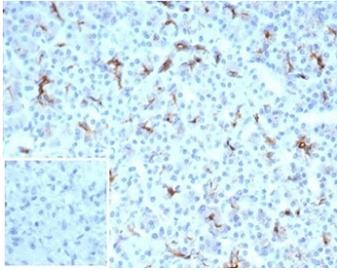
Recombinant **RABBIT MONOCLONAL**

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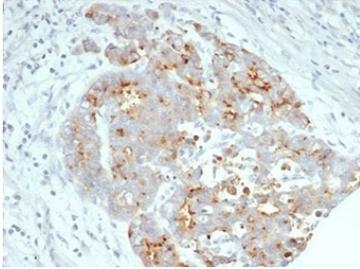
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	CFTR/7003R
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P13569
<b>Localization</b>	Cell surface, Cytoplasm
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This recombinant CFTR antibody is available for research use only.



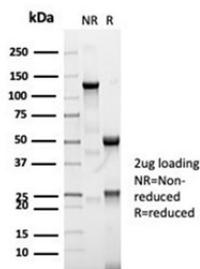
IHC staining of FFPE human kidney tissue with recombinant CFTR antibody (clone CFTR/7003R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human pancreatic tissue with recombinant CFTR antibody (clone CFTR/7003R). Negative control inset: PBS used instead of primary antibody to control for secondary Ab binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human ovarian carcinoma tissue with recombinant CFTR antibody (clone CFTR/7003R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant CFTR antibody (clone CFTR/7003R) as confirmation of integrity and purity.

## Description

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-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.

## Application Notes

Optimal dilution of the recombinant CFTR antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 550-850 was used as the immunogen for the recombinant CFTR antibody.

## Storage

Aliquot the recombinant CFTR antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

