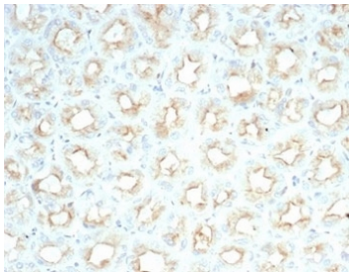
Recombinant Cystic Fibrosis Transmembrane Regulator Antibody / CFTR [clone CFTR/7154R] (V9549)

Catalog No.	Formulation	Size
V9549-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9549-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9549SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

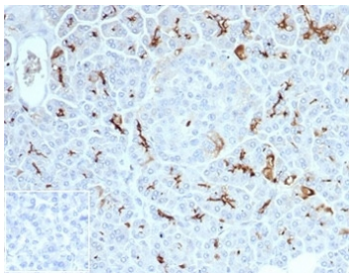
Recombinant RABBIT MONOCLONAL

Bulk quote request

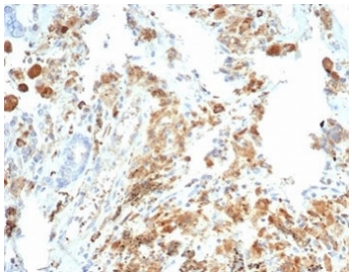
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CFTR/7154R
Purity	Protein A/G affinity
UniProt	P13569
Localization	Cell surface, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant Cystic Fibrosis Transmembrane Regulator antibody is available for research use only.



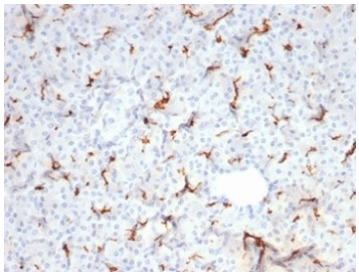
IHC staining of FFPE human salivary gland with recombinant Cystic Fibrosis Transmembrane Regulator antibody (clone CFTR/7154R) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human pancreas tissue with recombinant Cystic Fibrosis Transmembrane Regulator antibody (clone CFTR/7154R) at 2ug/ml. Negative control inset: PBS instead of primary antibody to control for secondary 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 lung carcinoma tissue with recombinant Cystic Fibrosis Transmembrane Regulator antibody (clone CFTR/7154R) at 2ug/ml. 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 spleen tissue with recombinant Cystic Fibrosis Transmembrane Regulator antibody (clone CFTR/7154R) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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 Cystic Fibrosis Transmembrane Regulator antibody should be determined by the researcher.

Immunogen

A portion of amino acids 258-385 was used as the immunogen for the recombinant Cystic Fibrosis Transmembrane Regulator antibody.

Storage

Aliquot the recombinant Cystic Fibrosis Transmembrane Regulator antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.