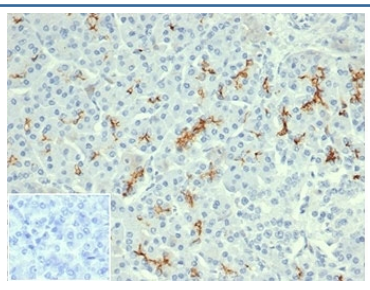
Recombinant Cystic Fibrosis Transmembrane Regulator Antibody / CFTR [clone rCFTR/6476] (V9326)

Catalog No.	Formulation	Size
V9326-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9326-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9326SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

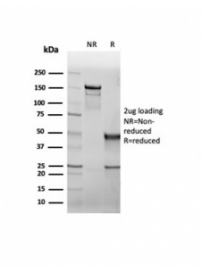
Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rCFTR/6476
Purity	Protein A affinity
UniProt	P13569
Localization	Cell Surface, Cytoplasm
Applications	Immunohistochemistry (FFPE): 0.5-2ug/ml
Limitations	This recombinant Cystic Fibrosis Transmembrane Regulator antibody is available for research use only.



IHC staining of FFPE human pancreatic tissue with recombinant Cystic Fibrosis Transmembrane Regulator antibody (clone rCFTR/6476). 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.



SDS-PAGE analysis of purified, BSA-free recombinant Cystic Fibrosis Transmembrane Regulator antibody (clone rCFTR/6476) 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.

This CFTR antibody is part of a broader CFTR antibody panel offered by NSJ Bioreagents.

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.

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