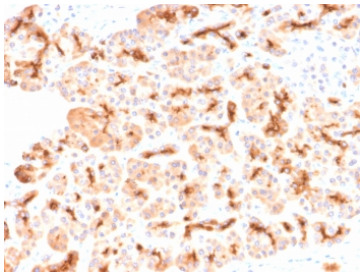
Recombinant CFTR Antibody / Rabbit Monoclonal [clone CFTR/2290R] (V3551)

Catalog No.	Formulation	Size
V3551-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3551-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3551SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3551IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

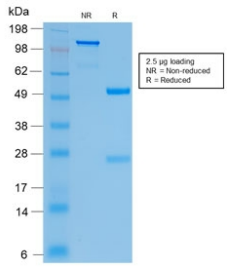
Recombinant RABBIT MONOCLONAL

Bulk quote request

Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CFTR/2290R
Purity	Protein A affinity chromatography
UniProt	P13569
Gene ID	1080
Localization	Cell surface, cytoplasmic
Applications	Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT
Limitations	This recombinant CFTR antibody is available for research use only.



IHC testing of FFPE human pancreas with recombinant CFTR antibody (clone CFTR/2290R). HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH9 for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant CFTR antibody (clone CFTR/2290R) as confirmation of integrity and purity.

Description

Cystic fibrosis transmembrane conductance regulator (CFTR) is a membrane protein and chloride channel in vertebrates that is encoded by the CFTR gene. The CFTR gene codes for an ABC transporter-class ion channel protein that conducts chloride and thiocyanate ions across epithelial cell membranes. Mutations of the CFTR gene affecting chloride ion channel function lead to dysregulation of epithelial fluid transport in the lung, pancreas and other organs, resulting in cystic fibrosis. Complications include thickened mucus in the lungs with frequent respiratory infections, and pancreatic insufficiency giving rise to malnutrition and diabetes. These conditions lead to chronic disability and reduced life expectancy. In male patients, the progressive obstruction and destruction of the developing vas deferens (spermatic cord) and epididymis appear to result from abnormal intraluminal secretions, causing congenital absence of the vas deferens and male infertility.

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

Application Notes

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

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A recombinant human partial protein was used as the immunogen for this recombinant CFTR antibody.

Storage

Store the recombinant CFTR antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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