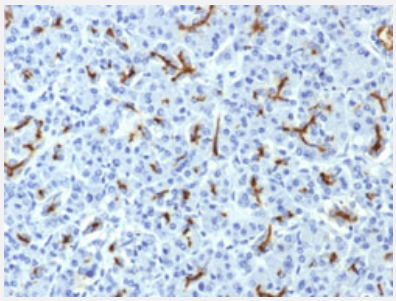
CFTR monoclonal antibody, clone CFTR/1643

Catalog # MAB14730 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with CFTR monoclonal antibody, clone CFTR/1643 (Cat # MAB14730).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human CFTR.
Immunogen	Recombinant protein corresponding to amino acids 258-385 of human CFTR.
Host	Mouse
Theoretical MW (kDa)	165-170
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2b
Recommend Usage	Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.

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Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with CFTR monoclonal antibody, clone CFTR/1643 (Cat # MAB14730).

- Immunofluorescence

Gene Info — CFTR

Entrez GeneID	1080
Protein Accession#	P13569
Gene Name	CFTR
Gene Alias	ABC35, ABCC7, CF, CFTR/MRP, MRP7, TNR-CFTR, dJ760C5.1
Gene Description	cystic fibrosis transmembrane conductance regulator (ATP-binding cassette sub-family C, memb er 7)
Omim ID	219700 277180 602421
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the ATP-binding cassette (ABC) transporter superfamily. ABC p roteins transport various molecules across extra- and intra-cellular membranes. ABC genes are d ivided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily that is involved in multi-drug resistance. The encoded p rotein functions as a chloride channel and controls the regulation of other transport pathways. Mut ations in this gene are associated with the autosomal recessive disorders cystic fibrosis and con genital bilateral aplasia of the vas deferens. Alternatively spliced transcript variants have been de scribed, many of which result from mutations in this gene. [provided by RefSeq
Other Designations	ATP-binding cassette sub-family C, member 7|cystic fibrosis transmembrane conductance regula tor

Publication Reference

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- Identification of the cystic fibrosis gene: cloning and characterization of complementary DNA.

  J R Riordan, J M Rommens, B Kerem, N Alon, R Rozmahel, Z Grzelczak, J Zielenski, S Lok, N Plavsic, J L Chou, et al.

  Science 1989 Sep; 45(4922):1066.

Pathway

- ABC transporters
- Vibrio cholerae infection

Disease

- Abnormalities
- Acute Disease
- Acute-Phase Reaction
- Adenocarcinoma
- Adrenal hyperplasia
- Alcoholism
- alpha 1-Antitrypsin Deficiency
- Alpha-1-antitrypsin deficiency
- Aspergillosis
- Asthenozoospermia
- Asthma
- Azoospermia
- Bacterial Infections
- Body Weight
- Bronchial Hyperreactivity
- Bronchiectasis
- Burkholderia Infections

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- Carcinoma
- Cardiovascular Diseases
- Child Nutrition Disorders
- Cholangitis
- Chromosome Aberrations
- Chromosome Deletion
- Chronic Disease
- Crohn Disease
- Cryptorchidism
- Cystic fibrosis
- Dental Caries
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Progression
- Disease Susceptibility
- Edema
- Esophageal Neoplasms
- Exocrine Pancreatic Insufficiency
- Functional Laterality
- Gastrointestinal Diseases
- Gaucher disease
- Genetic Diseases
- Genetic Predisposition to Disease
- Growth Disorders
- Head and Neck Neoplasms

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- Hepatitis
- Hepatitis C
- HIV Infections
- Hyperglycemia
- Hyperlipidemias
- Hyperparathyroidism
- Hypersensitivity
- Hypertension
- Ileus
- Infant
- Infection
- Infertility
- Inflammatory Bowel Diseases
- Intestinal Obstruction
- Intussusception
- Klinefelter Syndrome
- Liver Cirrhosis
- Liver Diseases
- Lung Diseases
- Lung Neoplasms
- Maxillary Sinusitis
- Mycobacterium Infections
- Nasal Polyps
- Neoplasms
- Nutrition Disorders
- Oligospermia

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- Osteoporosis
- Pancreatic cancer
- Pancreatic Diseases
- Pancreatic Neoplasms
- Pancreatitis
- Paranasal Sinus Diseases
- Pneumonia
- Polycystic Kidney
- Polycystic kidney disease
- Prostate cancer
- Prostatic Neoplasms
- Protein-Energy Malnutrition
- Proteinuria
- Pseudomonas Infections
- Psychiatric Status Rating Scales
- Psychological Tests
- Pulmonary Disease
- Recurrence
- Respiratory Insufficiency
- Respiratory Tract Diseases
- Respiratory Tract Infections
- Rhinitis
- Sarcoidosis
- Sex Chromosome Aberrations
- Sinusitis
- Staphylococcal Infections

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- Steatorrhea
- Stress
- Translocation
- Typhoid Fever
- Urogenital Abnormalities
- Uterine Diseases

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