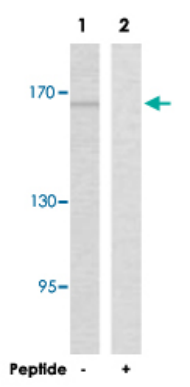
CFTR polyclonal antibody

Catalog # PAB18325 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells, using CFTR polyclonal antibody (Cat # PAB18325).
Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CFTR.
Immunogen	A synthetic peptide corresponding to residues surrounding S737 of human CFTR.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to CFTR.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:40000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of extracts from NIH/3T3 cells, using CFTR polyclonal antibody (Cat # PAB18325). Peptide "+" means "peptide blocking".

- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

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 regulator

Publication Reference

- Ovine male genital duct epithelial cells differentiate in vitro and express functional CFTR and ENaC.

  Bertog M, Smith DJ, Bielfeld-Ackermann A, Bassett J, Ferguson DJ, Korbmacher C, Harris A.

  American Journal of Physiology. Cell Physiology 2000 May; 278(5):C885.

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