

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## **36-2056: Anti-CFTR (Cystic Fibrosis Transmembrane Conductance Regulator) Polyclonal Antibody**

Clonality: Polyclonal
Application: IHC
Reactivity: Human
Gene: CFTR
Gene ID: 1080

ABC35; ATP Binding Cassette Superfamily C Member 7 (ABCC7); cAMP-dependent chloride

Alternative Name: channel; CFTR; CFTR/MRP; Channel conductance-controlling ATPase; Cystic Fibrosis

Transmembrane Conductance Regulator; MRP7; TNR CFTR

**Isotype:** Rabbit IgG

Immunogen Information: Recombinant human CFTR fragment (aa258-385)

P13569

## **Description**

**Uniprot ID:** 

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',5'-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.

## **Product Info**

**Amount:** 20 μg / 100 μg

**Content:** 200μg/ml of Ab Purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.

Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage condition :** Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months.

## **Application Note**

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0 for 45 min at 95&degC followed by cooling at RT for 20 minutes)

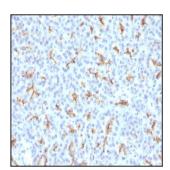


Fig.1: Formalin-fixed, paraffin-embedded human Pancreas stained with CFTR Rabbit Polyclonal Antibody.