BT LAB
Bioassay Technology Laboratory
Optimize Your Research

CFTR Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01732
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CFTR. AA range:711-760
Mol wt	168142
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	CFTR Antibody
Synonyms	CFTR; ABCC7; Cystic fibrosis transmembrane conductance regulator; CFTR; ATP-binding cassette sub-family C member 7; Channel conductance-controlling ATPase; cAMP-dependent chloride channel

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CFTR encodes a member of the ATP-binding cassette (ABC) transporter superfamily. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided 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 protein functions as a chloride channel and controls the regulation of other transport pathways. Mutations in this gene are associated with the autosomal recessive disorders cystic fibrosis and congenital bilateral aplasia of the vas deferens. Alternatively spliced transcript variants have been described, many of which result from mutations in CFTR.

Recommended Dilution

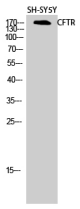
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

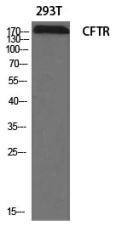
ELISA: 1: 5000

Not yet tested in other applications.

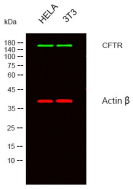
Images



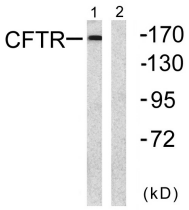
Western Blot analysis of SH-SY5Y cells using CFTR Polyclonal Antibody diluted at 1:2000



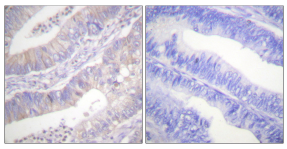
Western Blot analysis of various cells using CFTR Polyclonal Antibody diluted at 1:2000



Western blot analysis of lysates from HELA,3T3 cells, (Green) primary antibody was diluted at 1:1000, 4°over night, secondary antibody was diluted at 1:10000, 37° 1hour. (Red) loading contrl antibody was diluted at 1:5000 as loading control, 4° over night,secondary antibody was diluted at 1:10000, 37° 1hour.



Western blot analysis of lysates from NIH/3T3 cells, using CFTR Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using CFTR Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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