

Datasheet for 600-401-AH7**CFTR Antibody****Overview**

Description:	Anti-CFTR (RABBIT) Antibody - 600-401-AH7
Item No.:	600-401-AH7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The cystic fibrosis transmembrane conductance regulator (CFTR) protein is a member of the ATP-binding cassette (ABC) transporter superfamily, and a member of the MRP subfamily that is involved in multi-drug resistance (1,2). CFTR functions as a chloride channel and controls the regulation of other transport pathways (3). Mutations in this gene are associated with the autosomal recessive disorder cystic fibrosis, the most common, fatal, inherited disease of caucasian populations (1).
Synonyms:	CFTR Antibody, CF, MRP7, ABC35, ABCC7, CFTR/MRP, TNR-CFTR, dJ760C5.1, Cystic fibrosis transmembrane conductance regulator, ATP-binding cassette sub-family C member 7, CFTR
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CFTR
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CFTR antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human CFTR.

Purity/Specificity: Anti-CFTR antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. CFTR antibody is human, mouse and rat reactive.

Relevant Links:

- [UniProtKB - P13569](#)
- [GeneID - 1080](#)
- [NCBI - NP_000483](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-CFTR Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Expect a band at approximately 168 kDa in Western Blots of specific cell lysates and tissues. Western Blot, Immunohistochemistry, and Immunofluorescence tested in human samples. Specific conditions for reactivity should be optimized by the end user.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000-1:20,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/ml by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

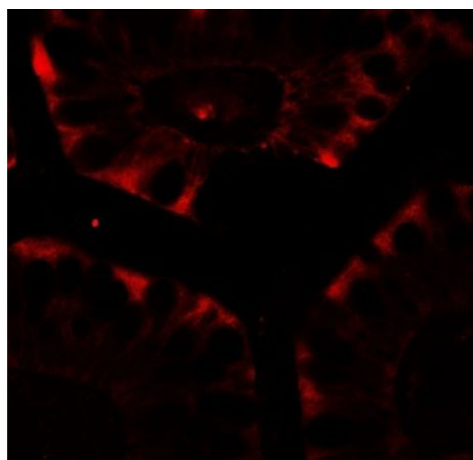
Expiration date is one (1) year from date of receipt.

Images**Immunohistochemistry**

Immunohistochemistry of CFTR.

Tissue: human small intestine tissue.

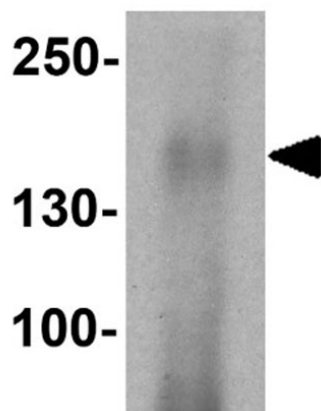
Primary Antibody: CFTR antibody at 5 µg/mL.

**Immunofluorescence Microscopy**

Immunofluorescence of CFTR.

Tissue: human small intestine tissue.

Primary Antibody: CFTR antibody at 20 µg/mL.

**Western Blot**

Western blot of CFTR.

Load: human small intestine tissue lysate.

Primary Antibody: CFTR antibody at 1 µg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.