

## Product datasheet for **AP10443SU-N**

### CFTR Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IP, WB
Recommended Dilution:	<b>ELISA:</b> 1/2000-1/32000. <b>Western Blot:</b> 1/500-1/1000. <b>Immunofluorescence.</b> <b>Immunoprecipitation.</b>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptides derived from C-terminal domain of Human CFTR protein
Specificity:	This antibody reacts with human 168 kDa CFTR.
Formulation:	Tris 0,1M, glycine 0,1M, sucrose 2% State: Serum State: Lyophilized serum Preservative: None
Reconstitution Method:	Restore in distilled water.
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store the antibody at -20°C. Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cystic fibrosis transmembrane conductance regulator
Database Link:	<a href="#">Entrez Gene 1080 Human P13569</a>



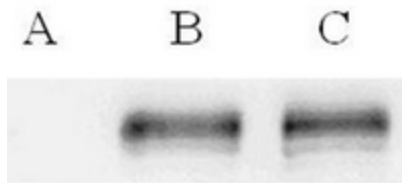
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**Background:**

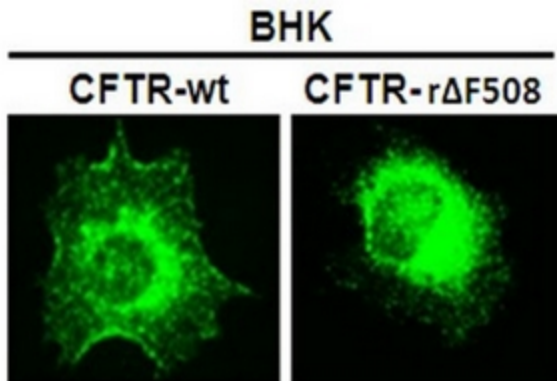
CFTR (cystic fibrosis transmembrane conductance regulator) is composed of two membrane-spanning domains (MSD), two nucleotide-binding domains (NBD), and an R domain. It is structurally similar to multidrug resistance (Mdr1) protein and both are members of the superfamily of ATP-binding cassette (ABC) 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.

**Synonyms:**

Cystic fibrosis transmembrane conductance regulator

**Product images:**

Western Blot using CFTR antibody Cat.-No AP10443SU-N at 1/500 dilution. Lane A: BHK (baby-Hamster kidney) cells. Lane B: BHK cells transfected with CFTR-3HA tag. Lane C: Immunoprecipitated with CFTR from BHK cells extract.



BHK cells expressing wild-type (wt) CFTR or mutated (r $\Delta$ F508), were fixed, permeabilized, and CFTR protein was detected with the specific CFTR antibody Cat.-No AP10443SU-N