

## Product datasheet for **TA890106**

### CFTR Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC/IF, WB
Recommended Dilution:	WB,1:500 - 1:1000 IF/ICC,1:50 - 1:200 ELISA,Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	168kDa
Gene Name:	cystic fibrosis transmembrane conductance regulator
Database Link:	<a href="#">NP_000483</a> <a href="#">Entrez Gene 12638 Mouse</a> <a href="#">Entrez Gene 24255 Rat</a> <a href="#">Entrez Gene 1080 Human</a> <a href="#">P13569</a>



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**Background:**

This gene encodes a member of the ATP-binding cassette (ABC) transporter superfamily. The encoded protein functions as a chloride channel, making it unique among members of this protein family, and controls ion and water secretion and absorption in epithelial tissues. Channel activation is mediated by cycles of regulatory domain phosphorylation, ATP-binding by the nucleotide-binding domains, and ATP hydrolysis. Mutations in this gene cause cystic fibrosis, the most common lethal genetic disorder in populations of Northern European descent. The most frequently occurring mutation in cystic fibrosis, DeltaF508, results in impaired folding and trafficking of the encoded protein. Multiple pseudogenes have been identified in the human genome.

**Synonyms:**

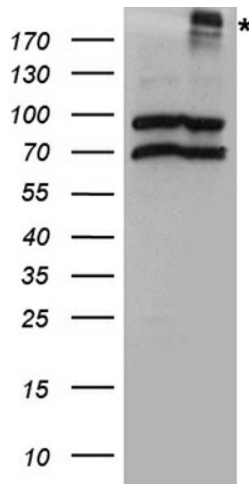
ABC35; ABCC7; CF; CFTR/MRP; dj760C5.1; MRP7; TNR-CFTR

**Protein Families:**

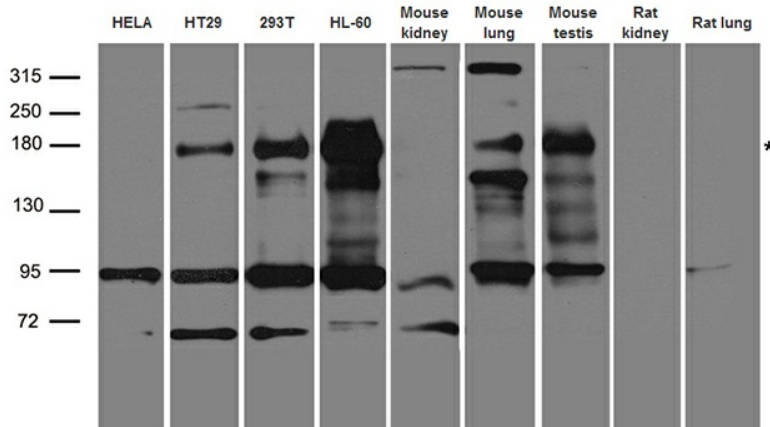
Druggable Genome, Transmembrane

**Protein Pathways:**

ABC transporters, Vibrio cholerae infection

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CFTR (Cat# [RC216476], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CFTR rabbit polyclonal antibody (Cat# TA890106).



Western blot analysis of extracts (35ug) from different cell lines and tissues by using anti-CFTR rabbit polyclonal antibody.