

Catalog Number:	NB110-55630
Background:	CFTR (Cystic Fibrosis Transmembrane Regulator) is an integral membrane protein shown to be involved in the transport of chloride ions. It is found on the surface of the epithelial cells lining the lungs and other organs. CFTR defects are the cause of cystic fibrosis. Cystic Fibrosis (CF) is a common lethal genetic disease caused by mutations of the gene coding for the cystic fibrosis transmembrane conductance factor, a cAMP regulated chloride channel. Approximately 70% of all CF cases share the deletion of a phenylalanine at position 508 (delta F508) which results in abnormal chloride transport. Since the CF mutation is lethal, most often by lung and liver disease, it raises the question of why this genetic disease remains as common as it is. One possible explanation is that <i>Salmonella typhi</i> has been shown to use CFTR to enter intestinal epithelial cells and that delta F508 heterozygote and homozygote mice showed 86% and 100% reductions in <i>S. typhi</i> intestinal submucosal uptake.
Alternate Names:	anti-ABC 35 antibody, atni-ABC35 antibody, anti-ABCC 7 antibody, anti-ABCC7 antibody, anti-ATP binding cassette sub family C member 7 antibody, anti-ATP Binding Cassette Superfamily C Member 7 antibody, anti-ATP binding cassette transporter sub family C member 7 antibody, anti-cAMP dependent chloride channel antibody, anti-CF antibody, anti-CFTR/MRP antibody, anti-Cystic fibrosis transmembrane conductance regulator antibody, anti-Cystic Fibrosis Transmembrane Regulator antibody, anti-dJ760C5.1 antibody, anti-MRP 7 antibody, anti-MRP7 antibody, anti-TNR CFTR antibody
Immunogen:	Synthetic peptide - KLH conjugated.
Epitope:	Cytoplasmic domain of human
Specificity:	This antibody is specific to the human Cfr/Mrp protein.
Species Reactivity:	Cross reacts with Human.
Uses:	Immunohistochemistry * Other applications have not been tested.
Dilutions:	Suggested working dilutions * immunohistochemistry 10-20 ug/ml * Investigator should determine optimal working dilutions.
Positive Controls:	Testis
Packaging:	0.05 mg peptide affinity purified Rabbit antisera.
Concentration:	1 mg/ml
Buffer:	Phosphate buffered saline, PH 7.7
Preservative:	0.01% sodium azide
Storage:	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze thaw cycles.
Gene Id:	1080