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Product datasheet for AP10443PU-N

CFTR Rabbit Polyclonal Antibody

Product data:

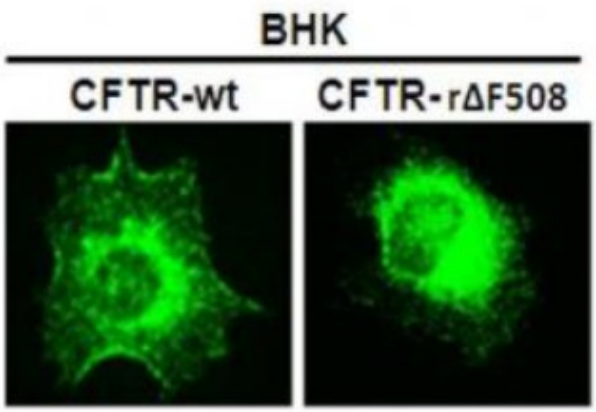
Product Type:	Primary Antibodies
Applications:	ELISA, IF, IP, WB
Recommended Dilution:	**ELISA:** 1/2000-1/32000. **Western Blot:** 1/500-1/1000. **Immunofluorescence.** **Immunoprecipitation.**
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from Cter domain of human CFTR protein.
Specificity:	Reacts with Human 168 kDa CFTR.
Formulation:	0.1M Tris 0.1M Glycine, 2% Sucrose State: Purified State: Lyophilized purified antibody Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cystic fibrosis transmembrane conductance regulator
Database Link:	Entrez Gene 1080 Human P13569

View online »

Background: Cystic Fibrosis (CF) is a common lethal genetic disease characterized by chronic bronchopulmonary disease, elevated sweat electrolytes and insufficient pancreatic function. CF is caused by mutations of the CFTR gene, which encodes the cystic fibrosis transmembrane conductance regulator (CFTR). The CFTR protein is a cAMP-activated chloride channel found in the apical membranes of epithelia within the pancreas, airway, intestine, bile duct, sweat gland, and male genital ducts. Approximately 70% of all CF cases share the deletion of a phenylalanine at position 508 which results in abnormal chloride transport. CFTR is structurally similar to multi-drug resistance (Mdr1) protein and both are members of the superfamily of ATP-binding cassette (ABC) transporters. CFTR is a valuable marker of human pancreatic duct cell development and differentiation.

Synonyms: Cystic fibrosis transmembrane conductance regulator

Product images:



BHK cells expressing wild-type (wt) CFTR or mutated (rΔF508) CFTR, were fixed, permeabilized, and CFTR protein was detected with the specific anti-CFTR antibody .