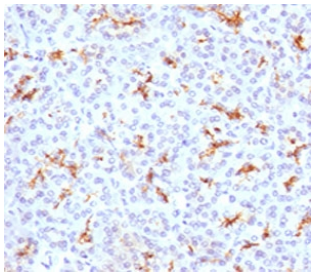
# CFTR Antibody [clone CFTR1-1] (V7216)

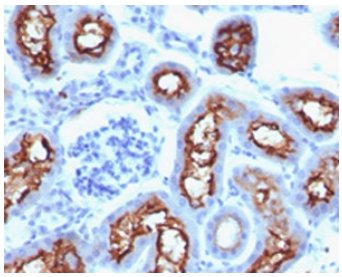
| Catalog No. | Formulation | Size |
|---|---|---|
| V7216-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V7216-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V7216SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2a, kappa |
| **Clone Name** | CFTR1-1 |
| **Purity** | Protein G affinity chromatography |
| **Buffer** | 1X PBS, pH 7.4 |
| **UniProt** | P13569 |
| **Localization** | Cell surface, cytoplasmic |
| **Applications** | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| **Limitations** | This CFTR antibody is available for research use only. |



IHC testing of FFPE human pancreas with CFTR antibody (clone CFTR1-1). Staining of FFPE tissue is enhanced by boiling tissue sections in 10mM Tris with 1mM EDTA, pH9 for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE mouse kidney with CFTR antibody (clone CFTR1-1). Staining of FFPE tissue is enhanced by boiling tissue sections in 10mM Tris with 1mM EDTA, pH9 for 10-20 min followed by cooling at RT for 20 min.

## Description

Cystic fibrosis transmembrane conductance regulator (CFTR) 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 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.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CFTR antibody to be titered up or down for optimal performance.

## Immunogen

Human recombinant protein from the C-terminal region (within amino acids 1350-1480) was used as the immunogen for this CFTR antibody.

## Storage

Store the CFTR antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com