bs-1277R **[Primary Antibody]**

CFTR Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1080 **SWISS:** P13569

Target: CFTR

Immunogen: KLH conjugated synthetic peptide derived from human CFTR: 145-280/1480.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a member of the ATP-binding cassette (ABC) transporter superfamily. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily that is involved in multi-drug resistance. The encoded protein functions as a chloride channel and controls the regulation of other transport pathways. Mutations in this gene are associated with the autosomal recessive disorders cystic fibrosis and congenital bilateral aplasia of the vas deferens. Alternatively spliced transcript variants have been described, many of which result from mutations in this gene. [provided by RefSeq, Jul 2008]

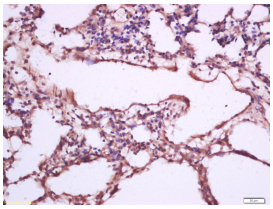
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Rat (predicted: Mouse, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse)

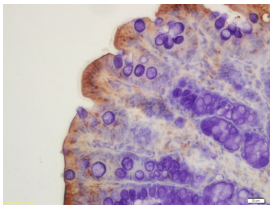
Predicted MW.: 168 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Tissue/cell: Rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CFTR Polyclonal Antibody, Unconjugated(bs-1277R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat colon tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CFTR Polyclonal Antibody, Unconjugated(bs-1277R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=3.553]** Liu M et al. Copper promotes sheep pancreatic duct organoid growth by ATOX1-dependent MEK-ERK pathway activation. Am J Physiol Cell Physiol. 2020 Apr 1;318(4):C806-C816. IF ;sheep. 32130071

- **[IF=3.553]** Liu M et al. Copper promotes sheep pancreatic duct organoid growth by ATOX1-dependent MEK-ERK pathway activation. Am J Physiol Cell Physiol. 2020 Apr 1;318(4):C806-C816. IF ;sheep. 32130071

- **[IF=4.141]** Junfeng He. et al. Distribution and Expression of Pulmonary Ionocyte-Related Factors CFTR, ATP6V0D2, and ATP6V1C2 in the Lungs of Yaks at Different Ages. GENES-BASEL. 2023 Mar;14(3):597 IHC ;Bovine. 10.3390/genes14030597
- **[IF=3.23]** Ren, Hui, Nigel P. Birch, and Vinod Suresh. "An Optimised Human Cell Culture Model for Alveolar Epithelial Transport." PloS one 11.10 (2016): e0165225. WB ;="Human". 27780255