

CLCA4 Rabbit pAb

Catalog # AP97205

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q14CN2
Other Accession	Q14CN2
Reactivity	Rat
Predicted	Pig, Human, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	101283
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CLCA4
Epitope Specificity	221-320/919
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the CLCR family. Contains 1 VWFA domain.
Post-translational modifications	N-Glycosylated. Processed at a monobasic residue to yield a larger N-terminal and a smaller C-terminal cleavage products of 90 to 110 and 30 to 35 kDa, respectively.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the calcium sensitive chloride conductance protein family. To date, all members of this gene family map to the same site on chromosome 1p31-p22 and share high degrees of homology in size, sequence and predicted structure, but differ significantly in their tissue distributions. Alternative splicing results in multiple transcript variants, only one of which is thought to be protein coding. [provided by RefSeq, Dec 2008]

Additional Information

Gene ID	22802
Other Names	CaCC; CaCC2; 9130020L07Rik; Clca4; Clca6; CLCA4_HUMAN; Calcium-activated chloride channel family member 4 (hCLCA4); Calcium-activated chloride channel protein 2 (CaCC-2 hCaCC-2); Chloride channel accessory 4; 3.4.-.; chloride channel, calcium activated, family member 4; chloride channel regulator 4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CLCA4
Synonyms	CaCC2
Function	May be involved in mediating calcium-activated chloride conductance.
Cellular Location	Cell membrane; Single-pass membrane protein. Apical cell membrane. Secreted. Note=The C-terminus 30 kDa form is anchored to the membrane. The N-terminus 110 kDa form is released from the membrane triggered by an unknown stimulus.
Tissue Location	Primarily expressed in the digestive tract, mainly in colon. Detected in smaller amounts in brain, urogenital organs, testis, and salivary and mammary glands. Highly expressed in the epithelial layer and submucosal gland of the inferior turbinate mucosa Lower levels in the epithelial layer of nasal polyp

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.