

CLCA4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP13186a**Specification**

CLCA4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q14CN2](#)**CLCA4 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 22802**Other Names**

Calcium-activated chloride channel regulator 4, 34--, Calcium-activated chloride channel family member 4, hCLCA4, Calcium-activated chloride channel protein 2, CaCC-2, hCaCC-2, Calcium-activated chloride channel regulator 4, 110 kDa form, Calcium-activated chloride channel regulator 4, 30 kDa form, CLCA4, CaCC2

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13186a was selected from the N-term region of CLCA4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CLCA4 Antibody (N-term) Blocking Peptide - 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

CLCA4 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CLCA4 Antibody (N-term) Blocking Peptide - Images

CLCA4 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene belongs to the calciumsensitive 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.

CLCA4 Antibody (N-term) Blocking Peptide - References

Ritzka, M., et al. Hum. Genet. 115(6):483-491(2004) Pauli, B.U., et al. Clin. Exp. Pharmacol. Physiol. 27(11):901-905(2000) Agnel, M., et al. FEBS Lett. 455(3):295-301(1999)