

Goat Anti-CLCA1 (aa872-884) Antibody
Peptide-affinity purified goat antibody
Catalog # AF1247a**Specification**

Goat Anti-CLCA1 (aa872-884) Antibody - Product Information

Application	WB, E
Primary Accession	A8K7I4
Other Accession	NP_001276 , 1179
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	100226

Goat Anti-CLCA1 (aa872-884) Antibody - Additional Information**Gene ID** 1179**Other Names**

Calcium-activated chloride channel regulator 1, 3.4.-., Calcium-activated chloride channel family member 1, hCLCA1, Calcium-activated chloride channel protein 1, CaCC-1, hCaCC-1, CLCA1, CACC1

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-CLCA1 (aa872-884) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CLCA1 (aa872-884) Antibody - Protein Information**Name** CLCA1**Synonyms** CACC1

Function

May be involved in mediating calcium-activated chloride conductance. May play critical roles in goblet cell metaplasia, mucus hypersecretion, cystic fibrosis and AHR. May be involved in the regulation of mucus production and/or secretion by goblet cells. Involved in the regulation of tissue inflammation in the innate immune response. May play a role as a tumor suppressor. Induces MUC5AC.

Cellular Location

Secreted, extracellular space. Cell membrane; Peripheral membrane protein; Extracellular side. Note=Protein that remains attached to the plasma membrane appeared to be predominantly localized to microvilli

Tissue Location

Highly expressed in small intestine and colon namely in intestinal basal crypt epithelia and goblet cells, and appendix. Weakly expressed in uterus, testis and kidney. Expressed in the airways epithelium of both asthmatic and healthy patients Expressed in the bronchial epithelium, especially in mucus-producing goblet cells. Expressed in normal turbinate mucosa and nasal polyp Expressed in.

Goat Anti-CLCA1 (aa872-884) Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-CLCA1 (aa872-884) Antibody - Images

AF1247a (0.3 µg/ml) staining of Human Lung lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-CLCA1 (aa872-884) Antibody - Background

This gene encodes a member of the calcium sensitive chloride conductance protein family. To date, all members of this gene family map to the same region on chromosome 1p31-p22 and share

a high degree of homology in size, sequence, and predicted structure, but differ significantly in their tissue distributions. The encoded protein is expressed as a precursor protein that is processed into two cell-surface-associated subunits, although the site at which the precursor is cleaved has not been precisely determined. The encoded protein may be involved in mediating calcium-activated chloride conductance in the intestine.

Goat Anti-CLCA1 (aa872-884) Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

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