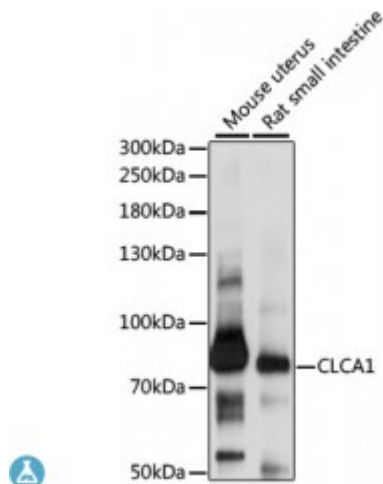


Anti-CLCA1 Antibody



Description

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.

Model STJ117235

Host Rabbit

Reactivity Mouse, Rat

Applications WB

Immunogen Recombinant fusion protein containing a sequence corresponding to amino acids 22-150 of human CLCA1 (NP_001276.2).

Gene ID [1179](#)

Gene Symbol [CLCA1](#)

Dilution range WB 1:500 - 1:2000

Tissue Specificity 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

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Calcium-activated chloride channel regulator 1
Molecular Weight	100.226 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:2015OMIM:603906Reactome:R-HSA-2672351
Alternative Names	Calcium-activated chloride channel regulator 1
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 Localization	Secreted, extracellular space,
Post-translational Modifications	Glycosylated,

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