ARG64739
anti-CLCA1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CLCA1
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CLCA1
Species	Human
Immunogen	PETPSPDETSAPC
Conjugation	Un-conjugated
Alternate Names	hCLCA1; CACC1; Calcium-activated chloride channel regulator 1; Calcium-activated chloride channel family member 1; CaCC-1; Calcium-activated chloride channel protein 1; EC 3.4.-.-; GOB5; CACC; CLCRG1; hCaCC-1

Application Instructions

Application table

Application	Dilution
IHC-P	Assay - dependent
WB	0.3 - 1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

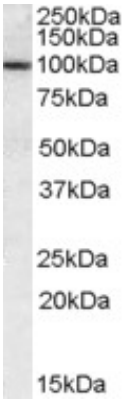
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

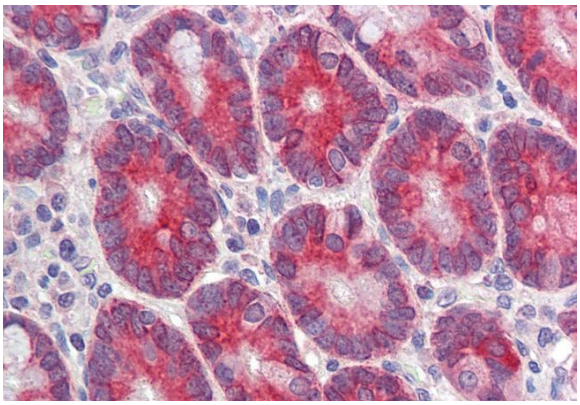
Database links	GeneID: 1179 Human Swiss-port # A8K7I4 Human
Background	This gene encodes a member of the calcium sensitive chloride conductance protein family. To date, all members of this gene family map to the same region on chromosome 1p31-p22 and share a high degree of homology in size, sequence, 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. [provided by RefSeq, Jul 2008]
Research Area	Signaling Transduction antibody
Calculated Mw	100 kDa
PTM	Glycosylated. The 125-kDa product is autoproteolytically processed by the metalloprotease domain and yields to two cell-surface-associated subunits, a 90-kDa protein and a group of 37-to 41-kDa proteins. The cleavage is necessary for calcium-activated chloride channel (CaCC) activation activity.

Images



ARG64739 anti-CLCA1 antibody WB image

Western Blot: Human Lung lysate (35 µg protein in RIPA buffer) stained with ARG64739 anti-CLCA1 (aa872-884) antibody at 0.3 µg/ml dilution.



ARG64739 anti-CLCA1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human small intestine tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64739 anti-CLCA1 antibody at 3.75 µg/ml dilution followed by AP-staining.