

## Product datasheet

# Anti-CLCA1 antibody [EPR12254-88] (HRP) ab203736

Recombinant RabMAb

1 Image

### Overview

<b>Product name</b>	Anti-CLCA1 antibody [EPR12254-88] (HRP)
<b>Description</b>	Rabbit monoclonal [EPR12254-88] to CLCA1 (HRP)
<b>Host species</b>	Rabbit
<b>Conjugation</b>	HRP
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat
<b>Immunogen</b>	Recombinant fragment within Human CLCA1. The exact sequence is proprietary. Database link: <a href="#">A8K74</a>
<b>Positive control</b>	WB: Small Intestine (Human) Tissue Lysate.
<b>General notes</b>	Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .  This product is a <a href="#">recombinant rabbit monoclonal antibody</a> .

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C. Store In the Dark.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.1% Proclin Constituents: PBS, 30% Glycerol, 1% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR12254-88
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab203736** in the following tested applications.

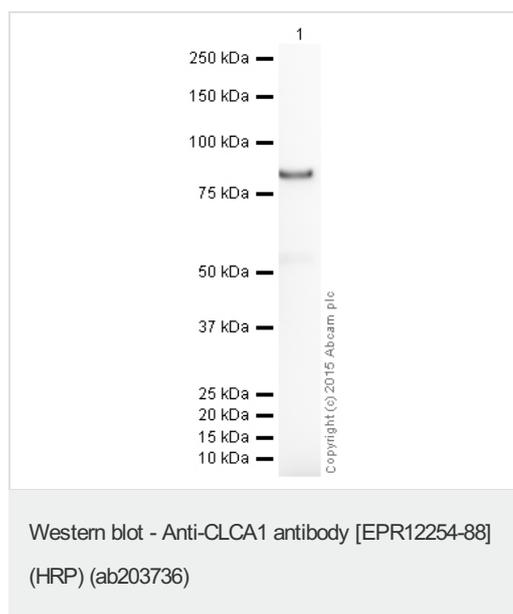
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 85 kDa (predicted molecular weight: 100 kDa).

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	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.
<b>Sequence similarities</b>	Belongs to the CLCR family. Contains 1 VWFA domain.
<b>Post-translational modifications</b>	Glycosylated. The 125-kDa product is processed and yields to two cell-surface-associated subunits, a 90-kDa protein and a group of 37-to 41-kDa proteins.
<b>Cellular localization</b>	Secreted > extracellular space. Cell membrane. Protein that remains attached to the plasma membrane appeared to be predominantly localized to microvilli.

## Images



Anti-CLCA1 antibody [EPR12254-88] (HRP) (ab203736) at 1/1000 dilution + Small Intestine (Human) Tissue Lysate at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 100 kDa

**Observed band size:** 85 kDa

[why is the actual band size different from the predicted?](#)

**Exposure time:** 16 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab203736 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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