


Product datasheet

HRP Anti-CLCA1 antibody [EPR12254-88] ab203736

Recombinant RabMAb

2 Images

Overview

Product name	HRP Anti-CLCA1 antibody [EPR12254-88]
Description	HRP Rabbit monoclonal [EPR12254-88] to CLCA1
Host species	Rabbit
Conjugation	HRP
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment within Human CLCA1. The exact sequence is proprietary. Database link: A8K7I4
Positive control	WB: Small Intestine (Human) Tissue Lysate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR12254-88

Isotype IgG

Applications

The Abpromise guarantee 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

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.

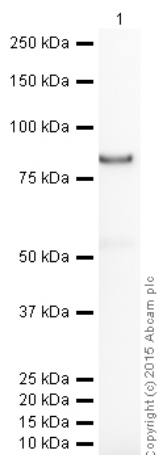
Tissue specificity Highly expressed in small intestine and colon namely in intestinal basal crypt epithelia and goblet cells, and appendix. Weakly expressed in uterus, testis and kidney. Expressed in the airways epithelium of both asthmatic and healthy patients. Expressed in the bronchial epithelium,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

Sequence similarities Belongs to the CLCR family.
Contains 1 VWFA domain.

Post-translational modifications 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.

Cellular localization Secreted > extracellular space. Cell membrane. Protein that remains attached to the plasma membrane appeared to be predominantly localized to microvilli.

Images



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

HRP Anti-CLCA1 antibody [EPR12254-88] (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

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](#).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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

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