abcam

Product datasheet

Anti-RCN1/RCN antibody [EPR17163] - C-terminal ab198996

重组 RabMAb

7 图像

概述

产品名称	Anti-RCN1/RCN抗体[EPR17163] - C-terminal
描述	兔单克隆抗体[EPR17163] to RCN1/RCN - C-terminal
宿主	Rabbit
经测试应用	**适用于:** Flow Cyt (Intra), IHC-P, WB, ICC/IF, IP
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: 293 cell lysate and HeLa cell lysate. IHC: Human cerebral cortex tissue. ICC/IF: HeLa cells. IP and Flow Cyt (intra): HeLa cells.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR17163
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab198996于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/70.
IHC-P		1/800. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 44, 46 kDa (predicted molecular weight: 39 kDa).
ICC/IF		1/250.
IP		1/100.

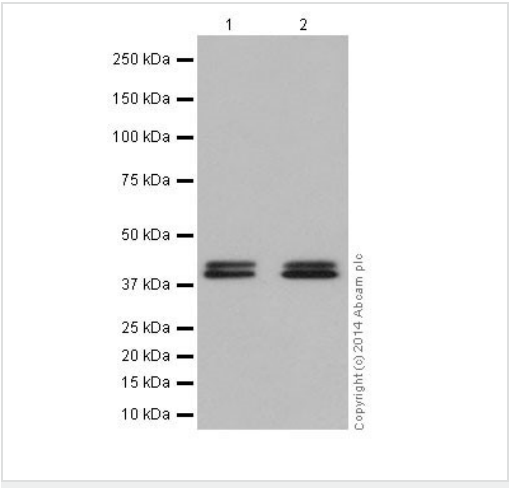
靶标

功能 May regulate calcium-dependent activities in the endoplasmic reticulum lumen or post-ER compartment.

序列相似性 Belongs to the CREC family.
Contains 6 EF-hand domains.

细胞定位 Endoplasmic reticulum lumen.

图片



Western blot - Anti-RCN1/RCN antibody [EPR17163] - C-terminal (ab198996)

All lanes : Anti-RCN1/RCN antibody [EPR17163] - C-terminal (ab198996) at 1/10000 dilution

Lane 1 : 293 (Human epithelial cells from embryonic kidney) cell lysate
Lane 2 : HeLa (Human epithelial cells from cervix adenocarcinoma) cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

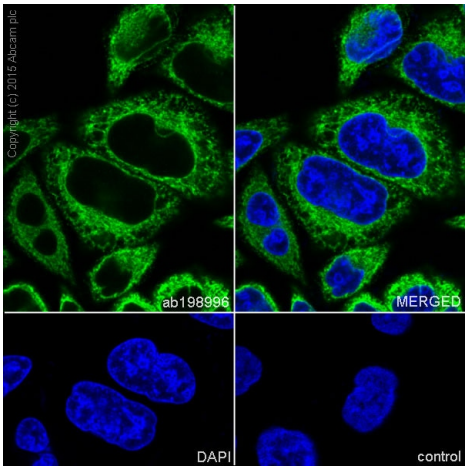
Predicted band size: 39 kDa

Observed band size: 44, 46 kDa

Exposure time: 1 minute

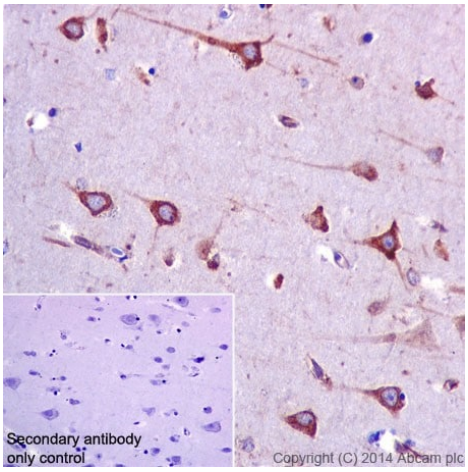
Blocking and diluting buffer was 5% NFDM/TBST.

The expression profile observed is consistent with what has been described in the literature PMID: 8416973.



Immunocytochemistry/ Immunofluorescence - Anti-RCN1/RCN antibody [EPR17163] - C-terminal (ab198996)

Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling RCN1/RCN with ab198996 at 1/500. Cells were fixed with 100% methanol. **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody.
Control: PBS only.
Nuclear counter stain: DAPI.

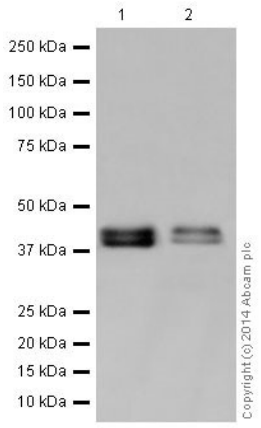


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RCN1/RCN antibody [EPR17163] - C-terminal (ab198996)

Immunohistochemical analysis of paraffin-embedded Human cerebral cortex tissue labeling RCN1/RCN with ab198996 at 1/1600, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500. Cytoplasm staining on Human cerebral cortex tissue is observed. Subcellular location Endoplasmic reticulum lumen [UniProt]. Counter stained with Hematoxylin.

Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-RCN1/RCN antibody [EPR17163] - C-terminal (ab198996)

All lanes : Anti-RCN1/RCN antibody [EPR17163] - C-terminal (ab198996) at 1/1000 dilution

Lane 1 : Raw264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) cell lysate
Lane 2 : Rat heart tissue lysate

Lysates/proteins at 10 µg per lane.

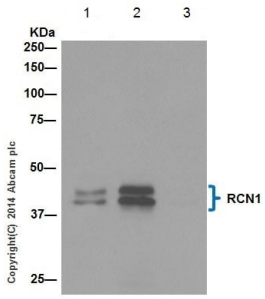
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 39 kDa
Observed band size: 44, 46 kDa

Exposure time: 1 minute

Blocking and diluting buffer was 5% NFDM/TBST.
The expression profile observed is consistent with what has been described in the literature PMID: 8416973.



Immunoprecipitation - Anti-RCN1/RCN antibody [EPR17163] - C-terminal (ab198996)

RCN1/RCN was immunoprecipitated from 1mg of HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell extract with ab198996 at 1/100. Western blot was performed from the immunoprecipitate using ab198996 at 1/1000. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500.

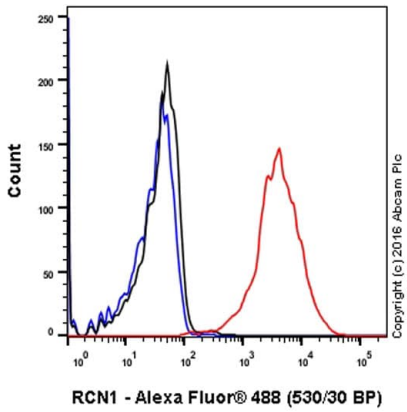
Lane 1: HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell extract. 10ug (Input.

Lane 2: HeLa whole cell extract.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab198996 in HeLa whole cell extract.

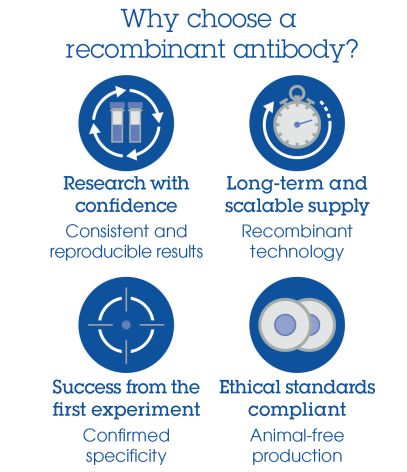
The expression profile observed is consistent with what has been described in the literature PMID: 8416973.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.



Flow Cytometry (Intracellular) - Anti-RCN1/RCN antibody [EPR17163] - C-terminal (ab198996)

Intracellular Flow Cytometry analysis of HeLa cells labelling RCN1/RCN (red) with purified ab198996 at dilution of 1/70. The secondary antibody used was Alexa Fluorr® 488 goat-anti-rabbit IgG (1/2000). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Isotype control antibody was Rabbit monoclonal IgG (black). The blue line shows cells without incubation with primary antibody and secondary antibody.



Anti-RCN1/RCN antibody [EPR17163] - C-terminal (ab198996)

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