

Product datasheet

Anti-RCN1/RCN antibody [EPR19193] ab184441

Recombinant **RabMAb**

[3 References](#) [4 Images](#)

Overview

Product name	Anti-RCN1/RCN antibody [EPR19193]
Description	Rabbit monoclonal [EPR19193] to RCN1/RCN
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-Fr, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal liver, heart, kidney and spleen lysates; HeLa, HEK-293, U-87 MG, C6, SH-SY5Y, Neuro-2a, RAW 264.7, PC-12 and NIH/3T3 cell lysates; E14 mouse and rat embryo lysates; Rat cerebral cortex, brain, heart and spleen lysates; Mouse brain, heart and spleen lysates.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR19193
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab184441 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

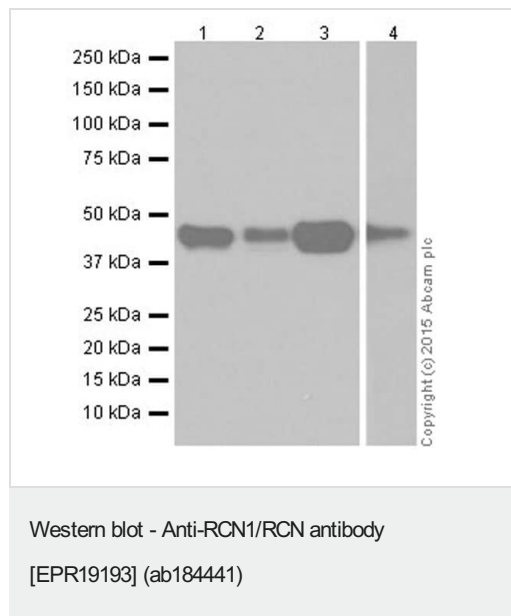
Application	Abreviews	Notes
WB		1/2000. Detects a band of approximately 44, 46 kDa (predicted molecular weight: 38 kDa).

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-Fr, IHC-P or IP.

Target

Function	May regulate calcium-dependent activities in the endoplasmic reticulum lumen or post-ER compartment.
Sequence similarities	Belongs to the CREC family. Contains 6 EF-hand domains.
Cellular localization	Endoplasmic reticulum lumen.

Images



All lanes : Anti-RCN1/RCN antibody [EPR19193] (ab184441) at 1/1000 dilution

Lane 1 : Human fetal liver lysate

Lane 2 : Human fetal heart lysate

Lane 3 : Human fetal kidney lysate

Lane 4 : Human fetal spleen lysate

Lysates/proteins at 10 µg per lane.

Secondary

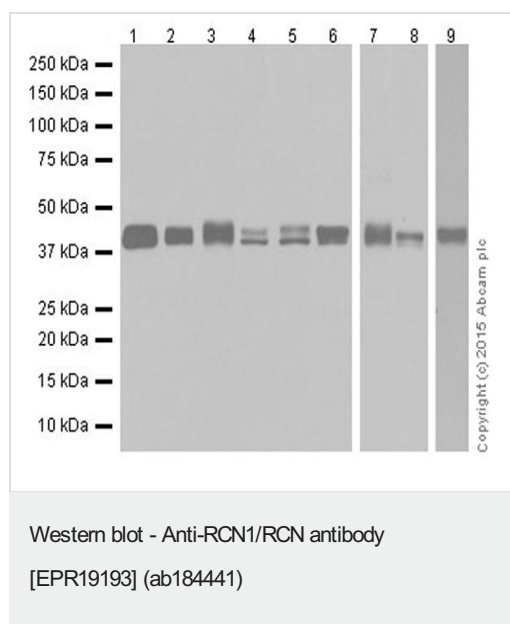
All lanes : Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

Predicted band size: 38 kDa

Observed band size: 44,46 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time: Lane 1, 2 and 3: 30 seconds; Lane 4: 3 minutes.



All lanes : Anti-RCN1/RCN antibody [EPR19193] (ab184441) at 1/1000 dilution

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 2 : HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate

Lane 3 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) whole cell lysate

Lane 4 : E 14 mouse embryo lysate

Lane 5 : E 14 rat embryo lysate

Lane 6 : C6 (Rat glial tumor cell line) whole cell lysate

Lane 7 : SH-SY5Y (Human neuroblastoma cell line from bone marrow) whole cell lysate

Lane 8 : Neuro-2a (Mouse neuroblastoma cell line) whole cell lysate

Lane 9 : Rat cerebral cortex lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

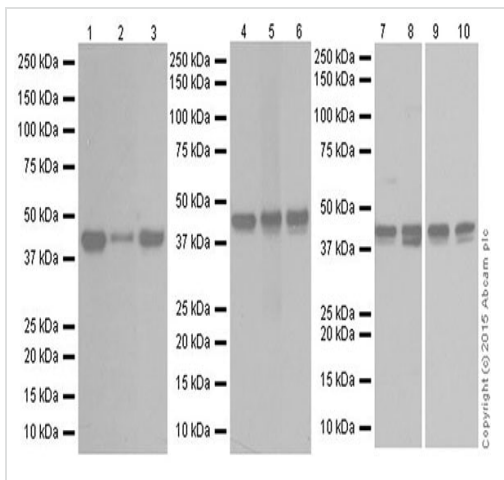
Predicted band size: 38 kDa

Observed band size: 44,46 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time: Lane 1-6: 8 seconds; Lane 7 and 8: 30 seconds; Lane 9: 3 minutes.

The molecular weight observed is consistent with what has been described in the literature (PMID: 8416973).



Western blot - Anti-RCN1/RCN antibody
[EPR19193] (ab184441)

All lanes : Anti-RCN1/RCN antibody [EPR19193] (ab184441) at 1/1000 dilution

Lane 1 : Mouse brain lysate

Lane 2 : Mouse heart lysate

Lane 3 : Mouse spleen lysate

Lane 4 : Rat brain lysate

Lane 5 : Rat heart lysate

Lane 6 : Rat spleen lysate

Lane 7 : RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate

Lane 8 : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate

Lane 9 : C6 (Rat glial tumor cell line) whole cell lysate

Lane 10 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 38 kDa





Observed band size: 44,46 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: Lane 1-6: 3 minutes Lane 7 and 8: 30 seconds;

Lane 9 and 10: 1 second.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-RCN1/RCN antibody [EPR19193] (ab184441)

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

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