

Product datasheet

Anti-RCN1/RCN antibody [EPR19193] - BSA and Azide free ab250748

Recombinant RabMAb

[4 Images](#)

Overview

Product name	Anti-RCN1/RCN antibody [EPR19193] - BSA and Azide free
Description	Rabbit monoclonal [EPR19193] to RCN1/RCN - BSA and Azide free
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.
General notes	<p>ab250748 is the carrier-free version of ab184441.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR19193
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250748 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

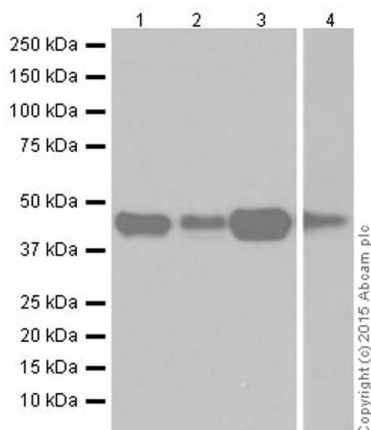
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 44, 46 kDa (predicted molecular weight: 38 kDa).

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



Western blot - Anti-RCN1/RCN antibody [EPR19193] - BSA and Azide free (ab250748)

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

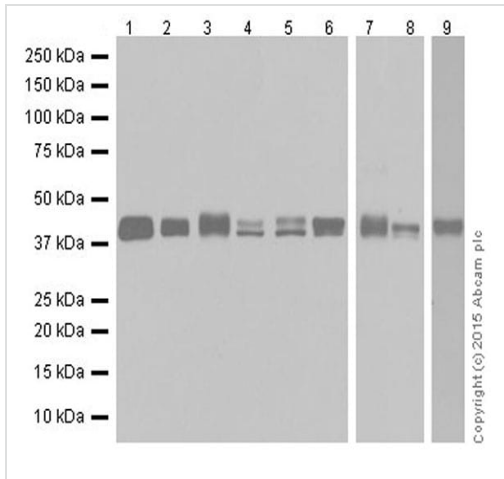
Predicted band size: 38 kDa

Observed band size: 44,46 kDa

This data was developed using [ab184441](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time: Lanes 1-3: 30 seconds; Lane 4: 3 minutes.



Western blot - Anti-RCN1/RCN antibody [EPR19193] - BSA and Azide free (ab250748)

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 : E14 mouse embryo lysate

Lane 5 : E14 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

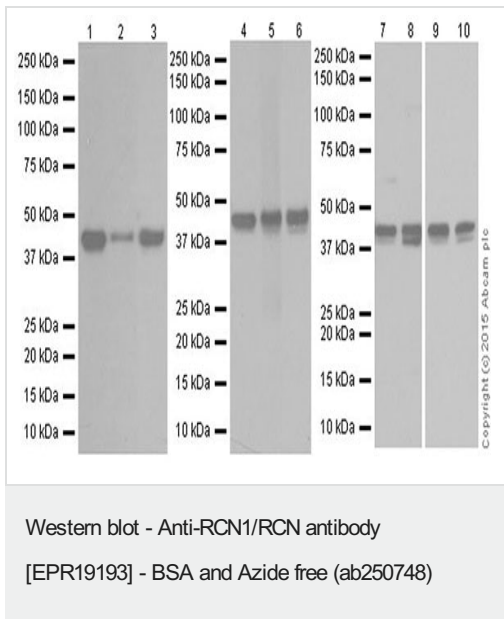
Observed band size: 44,46 kDa

This data was developed using [ab184441](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFD/MBST.

Exposure time: Lanes 1-6: 8 seconds; Lanes 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).



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

This data was developed using [ab184441](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDm/TBST.

Exposure time: Lanes 1-6: 3 minutes Lanes 7 and 8: 30 seconds; Lanes 9 and 10: 1 second.

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

Anti-RCN1/RCN antibody [EPR19193] - BSA and Azide free (ab250748)

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

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