

Anti-PRKAR1A+PRKAR1B antibody [EPR8491] - BSA and Azide free ab238924

Recombinant RabMAb

7 Images

Overview

Product name	Anti-PRKAR1A+PRKAR1B antibody [EPR8491] - BSA and Azide free
Description	Rabbit monoclonal [EPR8491] to PRKAR1A+PRKAR1B - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Recombinant Human PRKAR1A and PRKAR1B protein; Human, mouse, rat brain lysate, U-87 MG whole cell lysate; IHC-P: Mouse liver, human liver carcinoma, and rat kidney tissue sections.
General notes	ab238924 is the carrier-free version of ab139695 .

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.

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.

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.

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.

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**](#).

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	EPR8491
Isotype	IgG

Applications

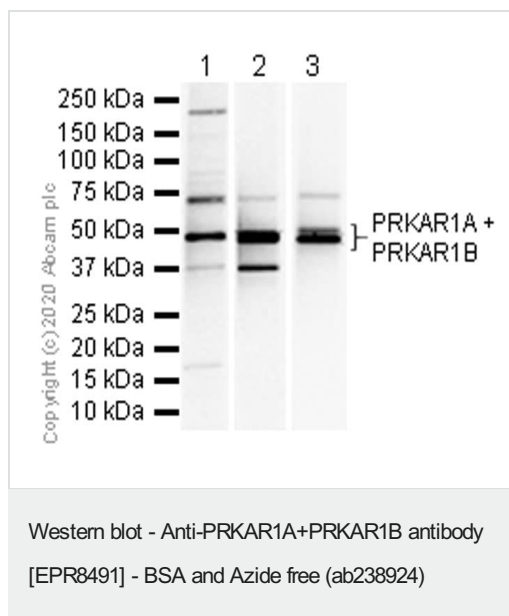
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab238924 in the following tested applications.

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. Predicted molecular weight: 43 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. The use of an HRP/AP polymerized secondary antibody is recommended.

Application notes Is unsuitable for Flow Cyt, ICC/IF or IP.

Images



All lanes : Anti-PRKAR1A+PRKAR1B antibody [EPR8491] ([ab139695](#)) at 1/10000 dilution (Purified)

Lane 1 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell) whole cell lysate

Lane 2 : Mouse brain lysate

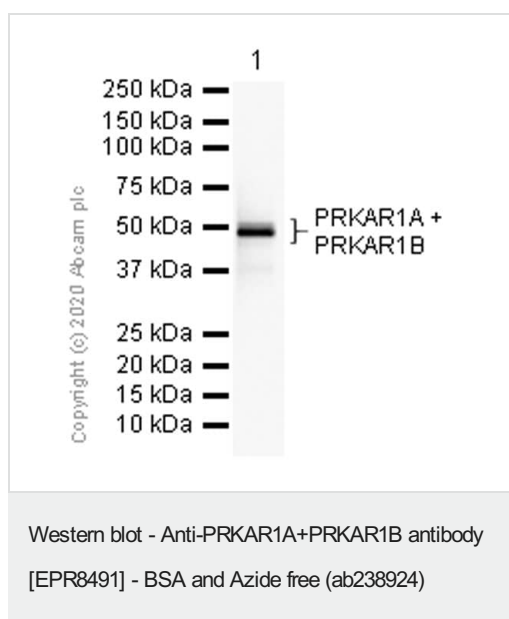
Lane 3 : Rat brain lysate

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 43 kDa

The doublets should be PRKAR1A isoforms.



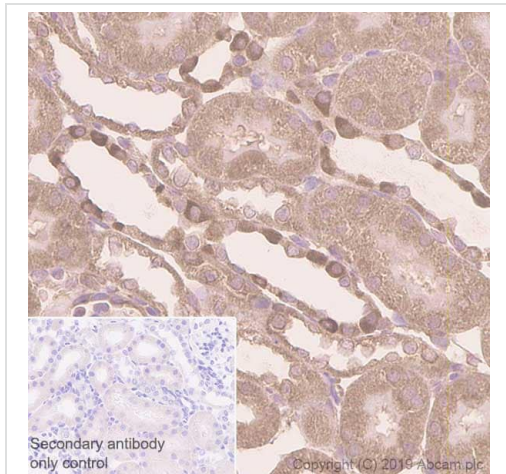
Anti-PRKAR1A+PRKAR1B antibody [EPR8491] ([ab139695](#)) at 1/10000 dilution (Purified) + Human brain lysate

Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 43 kDa

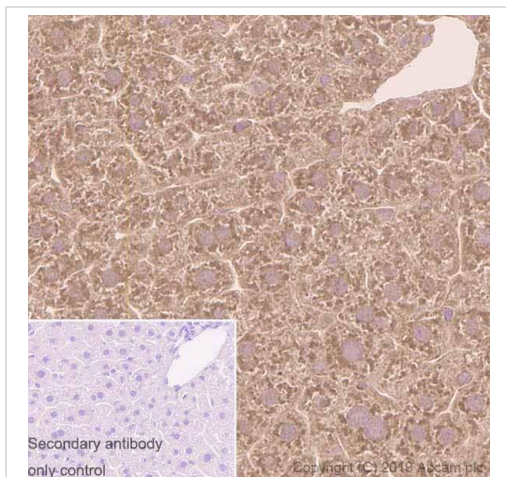
The doublets should be PRKAR1A isoforms.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRKAR1A+PRKAR1B antibody [EPR8491] - BSA and Azide free (ab238924)

This data was developed using [ab139695](#), the same antibody clone in a different buffer formulation.

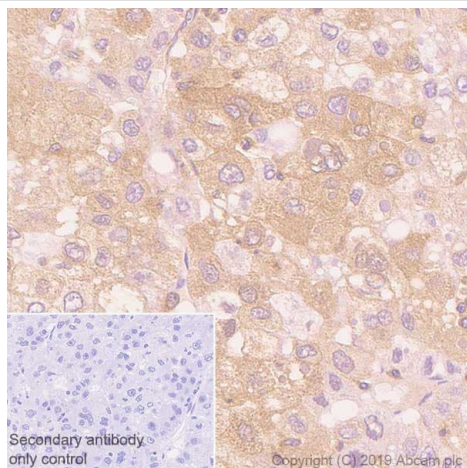
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat kidney tissue sections labeling PRKAR1A+PRKAR1B with Purified [ab139695](#) at 1/300 dilution (1.29 µg/mL). Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 1 (pH 6.0). Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRKAR1A+PRKAR1B antibody [EPR8491] - BSA and Azide free (ab238924)

This data was developed using [ab139695](#), the same antibody clone in a different buffer formulation.

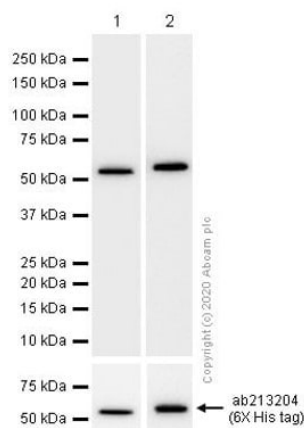
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse liver tissue sections labeling PRKAR1A+PRKAR1B with Purified [ab139695](#) at 1/300 dilution (1.29 µg/mL). Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 1 (pH 6.0). Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRKAR1A+PRKAR1B antibody [EPR8491] - BSA and Azide free (ab238924)

This data was developed using [ab139695](#), the same antibody clone in a different buffer formulation.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver carcinoma tissue sections labeling PRKAR1A+PRKAR1B with Purified [ab139695](#) at 1/300 dilution (1.29 µg/mL). Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 1 (pH 6.0). Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Anti-PRKAR1A + PRKAR1B antibody [EPR8491] - BSA and Azide free (ab238924)

All lanes : Anti-PRKAR1A+PRKAR1B antibody [EPR8491] ([ab139695](#)) at 1/10000 dilution

Lane 1 : Recombinant human full length PRKAR1A protein

Lane 2 : Recombinant human full length PRKAR1B protein

Lysates/proteins at 0.01 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 43 kDa

Buffer and concentration: 5% NFDM/TBST

Exposure time

Lane 1: 10 seconds

Lane 2: 40 seconds

Observed band

Lane 1: 51KDa

Lane 2: 52 KDa

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-PRKAR1A + PRKAR1B antibody [EPR8491] -
BSA and Azide free (ab238924)

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

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