abcam

Product datasheet

Anti-hnRNP A1 (citrulline R122) antibody [EPR20177] ab208029

リコンビナント   RabMAb

画像数 4

製品の概要

製品名	Anti-hnRNP A1 (citrulline R122) antibody [EPR20177]
製品の詳細	Rabbit monoclonal [EPR20177] to hnRNP A1 (citrulline R122)
由来種	Rabbit
アプリケーション	**適用あり:** Dot blot, IP, WB
種交差性	**交差種:** Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HEK-293T transfected with GFP-tagged PADI2 (WT) expression vector, treated with 10 mM calcium chloride and 10 µM Ionomycin for 2 hours, whole cell lysate; HEK-293T transfected with GFP-tagged PADI4 (WT) expression vector, treated with 10 mM calcium chloride and 10 µM Ionomycin for 2 hours, whole cell lysate. IP: HEK-293T transfected with GFP-tagged PADI4 (WT) expression vector, treated with 10 mM calcium chloride and 10 µM Ionomycin for 2 hours whole cell lysate
特記事項	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**.

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), PBS
精製度	Protein A purified

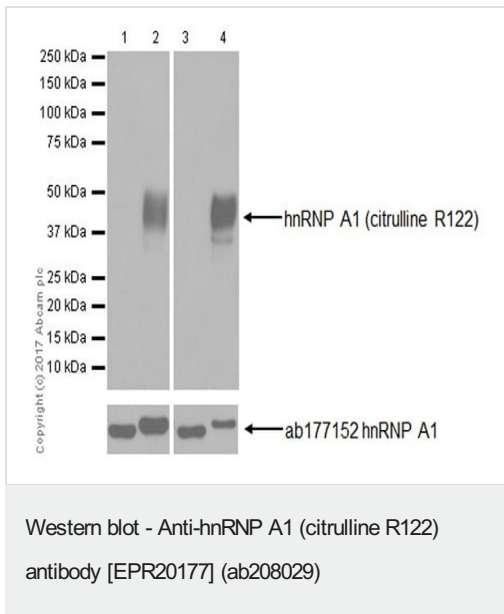|	
ポリ/モノ	モノクローナル
クローン名	EPR20177
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab208029の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Dot blot		1/1000.
IP		1/40.
WB		1/2000. Predicted molecular weight: 38 kDa.

ターゲット情報

機能	Involved in the packaging of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and may modulate splice site selection. May play a role in HCV RNA replication.
配列類似性	Contains 2 RRM (RNA recognition motif) domains.
翻訳後修飾	Arg-194, Arg-206 and Arg-225 are dimethylated, probably to asymmetric dimethylarginine. Sumoylated.
細胞内局在	Nucleus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Shuttles continuously between the nucleus and the cytoplasm along with mRNA. Component of ribonucleosomes. In the course of viral infection, colocalizes with HCV NS5B at speckles in the cytoplasm in a HCV-replication dependent manner.

画像

Western blot - Anti-hnRNP A1 (citrulline R122) antibody [EPR20177] (ab208029)

All lanes : Anti-hnRNP A1 (citrulline R122) antibody [EPR20177] (ab208029) at 1/2000 dilution

Lanes 1 & 3 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) transfected with a control vector containing GFP tag, treated with 10 mM calcium chloride and 10 µM Ionomycin for 2 hours, whole cell lysate

Lane 2 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) transfected with GFP-tagged PADI2 (WT) expression vector, treated with 10 mM calcium chloride and 10 µM Ionomycin for 2 hours, whole cell lysate

Lane 4 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) transfected with GFP-tagged PADI4 (WT) expression vector, treated with 10 mM calcium chloride and 10 µM Ionomycin for 2 hours, whole cell lysate

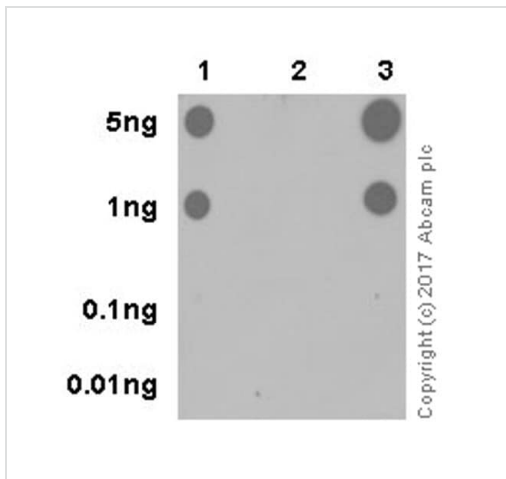Lysates/proteins at 20 µg per lane.

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

Developed using the ECL technique.

Predicted band size: 38 kDa

Exposure time: 8 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

Dot Blot - Anti-hnRNP A1 (citrulline R122) antibody [EPR20177] (ab208029)

Dot blot analysis of hnRNP A1 (citrulline R122) labeled with ab208029 at 1/1000 dilution.

Lane 1: hnRNP A1 (citrulline R122) peptide;
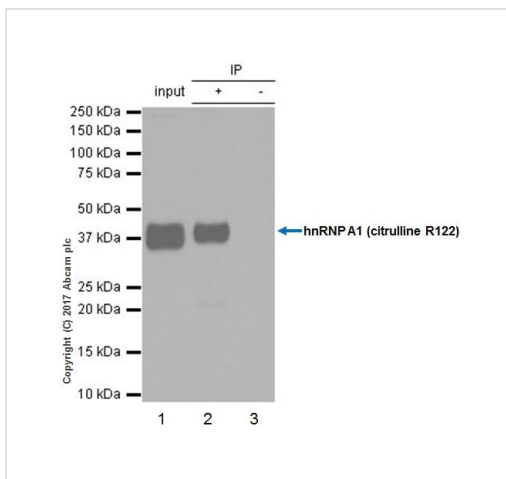
Lane 2: hnRNP A1 non-citrulline peptide;

Lane 3: hnRNP A2B1 (citrulline R129) peptide.

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution was used as secondary antibody.

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: 3 minutes.

Based on sequence homology this antibody cross reacts with hnRNP A2B1 (citrulline R129) and hnRNP A1L2 (citrulline R122).

Immunoprecipitation - Anti-hnRNP A1 (citrulline R122) antibody [EPR20177] (ab208029)

hnRNP A1 (citrulline R122) was immunoprecipitated from 0.35 mg of HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) transfected with GFP-tagged PADI4 (WT) expression vector, treated with 10 mM calcium chloride and 10 μM Ionomycin for 2 hours whole cell lysate with ab208029 at 1/40 dilution. Western blot was performed from the immunoprecipitate using ab208029 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10000 dilution.

Lane 1: HEK-293T transfected with GFP-tagged PADI4 (WT) expression vector, treated with 10 mM calcium chloride and 10 μM Ionomycin for 2 hours whole cell lysate 10 μg (Input).

Lane 2: ab208029 IP in HEK-293T transfected with GFP-tagged PADI4 (WT) expression vector, treated with 10 mM calcium chloride and 10 μM Ionomycin for 2 hours whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab208029 in HEK-293T transfected with GFP-tagged PADI4 (WT) expression vector, treated with 10 mM calcium chloride and 10 μM Ionomycin for 2 hours whole cell lysate.

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

Exposure time: 30 seconds.

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-hnRNP A1 (citrulline R122) antibody

[EPR20177] (ab208029)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.co.jp/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors