

Anti-hnRNP A1 (citrulline R97) antibody [EPR20176] ab208028

リコンビナント **RabMAb**

画像数 4

製品の概要

製品名	Anti-hnRNP A1 (citrulline R97) antibody [EPR20176]
製品の詳細	Rabbit monoclonal [EPR20176] to hnRNP A1 (citrulline R97)
由来種	Rabbit
特異性	Based on sequence homology we predict that this antibody may react with hnRNP A1L2.
アプリケーション	適用あり: WB, IP, Dot blot
種交差性	交差種: Human, Recombinant fragment
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 PADI2 and PADI4, respectively, treated with CaCl ₂ and Ionomycin, whole cell lysates. IP: HEK-293T transfected with PADI4, treated with CaCl ₂ and Ionomycin, whole cell lysate.
特記事項	<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>

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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), PBS</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EPR20176
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab208028の使用に適用されます

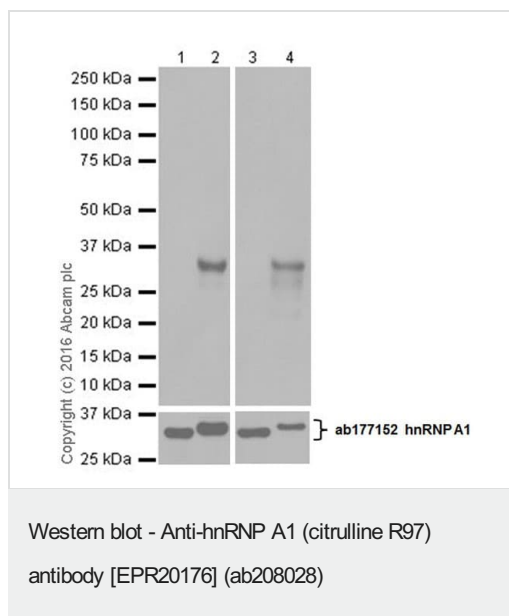
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		1/1000. Predicted molecular weight: 38 kDa.
IP		1/30.
Dot blot		1/1000.

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



Lanes 1-2 & 4 : Anti-hnRNP A1 (citrulline R97) antibody [EPR20176] (ab208028) at 1/5000 dilution

Lane 3 : Anti-hnRNP A1 (citrulline R97) antibody [EPR20176] (ab208028) at 1/1000 dilution

Lanes 1 & 3 : Empty vector (vector control) transfected HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen), whole cell lysate

Lane 2 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate transfected with GFP-tagged PAD12 and treated with 10 mM CaCl₂ for 2 hours, followed by 10 uM Ionomycin for 2 hours

Lane 4 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate transfected with GFP- tagged PAD14 and treated with 10 mM CaCl₂ for 2 hours, followed by 10 uM Ionomycin for 2 hours

Lysates/proteins at 10 µg per lane.

Secondary

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

Developed using the ECL technique.

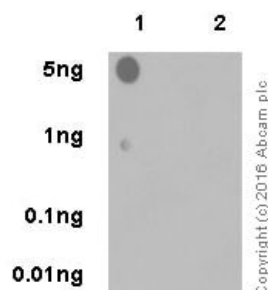
Predicted band size: 38 kDa

Observed band size: 34 kDa

Exposure time: 4 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

According to Uniprot annotation, isoform A1-A (34kD) is twenty times more abundant than isoform A1-B (39kD). PADs (including PAD12 and PAD14) are the enzymes that hydrolyze arginine to form citrulline, and this catalytic reaction also needs Ca²⁺ and ionomycin. Please refer to PMID: 26360112.



Dot Blot - Anti-hnRNP A1 (citrulline R97) antibody [EPR20176] (ab208028)

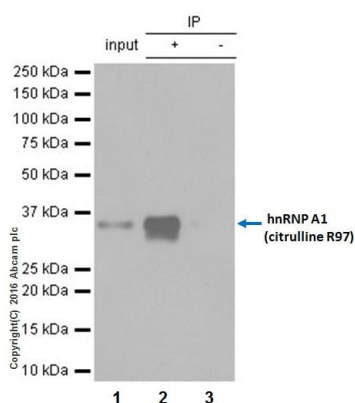
Dot blot analysis of hnRNP A1 (citrulline R97) labeled with ab208028 at 1/1000 dilution.

Lane 1: hnRNP A1 (citrulline R97) peptide.

Lane 2: hnRNP A1 (citrulline R97) non-citrulline peptide.

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

Blocking and dilution buffer: 5% NFDM/TBST.



Immunoprecipitation - Anti-hnRNP A1 (citrulline R97) antibody [EPR20176] (ab208028)

hnRNP A1 (citrulline R97) 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 PAD4 and treated with 10 mM CaCl_2 for 2 hours, then 10 μM Ionomycin for 2 hours whole cell lysate with ab208028 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab208028 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 PAD4 and treated with 10 mM CaCl_2 for 2 hours, then 10 μM Ionomycin for 2 hours whole cell lysate 10 μg (Input).

Lane 2: ab208028 IP in HEK-293T transfected with GFP tagged PAD4 and treated with 10 mM CaCl_2 for 2 hours, then 10 μM Ionomycin for 2 hours whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab208028 in HEK-293T transfected with GFP tagged PAD4 and treated with 10 mM CaCl_2 for 2 hours, then 10 μM Ionomycin for 2 hours whole cell lysate.

Exposure time: 10 seconds.

Blocking and dilution buffer: 5% NFDM/TBST.

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 R97) antibody [EPR20176]
(ab208028)

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