

Anti-hnRNP A1 (citrulline R97) antibody [EPR20176] - BSA and Azide free ab271981

リコンビナント **RabMAb**

画像数 3

製品の概要

製品名	Anti-hnRNP A1 (citrulline R97) antibody [EPR20176] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR20176] to hnRNP A1 (citrulline R97) - BSA and Azide free
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: IP, WB, 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>ab271981 is the carrier-free version of ab208028.</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>

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. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
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

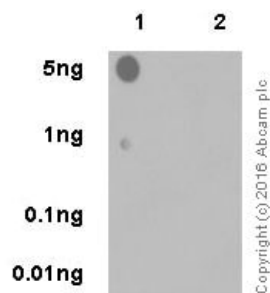
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab271981の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 38 kDa.
Dot blot		Use at an assay dependent concentration.

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



Dot Blot - Anti-hnRNP A1 antibody [EPR20176] - BSA and Azide free (ab271981)

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

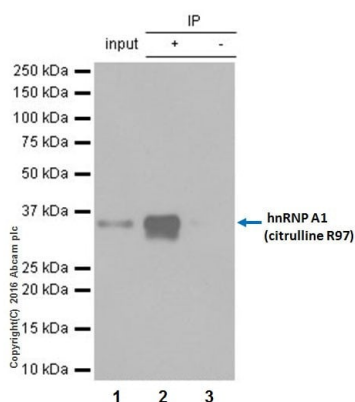
Lane 1: hnRNP A1 (citrulline R97) peptide.

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab208028**).



Immunoprecipitation - Anti-hnRNP A1 antibody [EPR20176] - BSA and Azide free (ab271981)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab208028**).

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 (citulline R97) antibody [EPR20176]
- BSA and Azide free (ab271981)

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