

Anti-hnRNP A1 (citrulline R140) antibody [EPR20178] - BSA and Azide free ab251488

Recombinant RabMAb

3 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-hnRNP A1 (citrulline R140) antibody [EPR20178] - BSA and Azide free |
| Description | Rabbit monoclonal [EPR20178] to hnRNP A1 (citrulline R140) - BSA and Azide free |
| Host species | Rabbit |
| Specificity | Based on sequence homology, we predict that this antibody may react with HNRNPA1L2. |
| Tested applications | Suitable for: Dot blot, WB |
| Species reactivity | Reacts with: Recombinant fragment |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| General notes | <p>ab251488 is the carrier-free version of ab208030.</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 |
| Clonality | Monoclonal |
| Clone number | EPR20178 |
| Isotype | IgG |

Applications

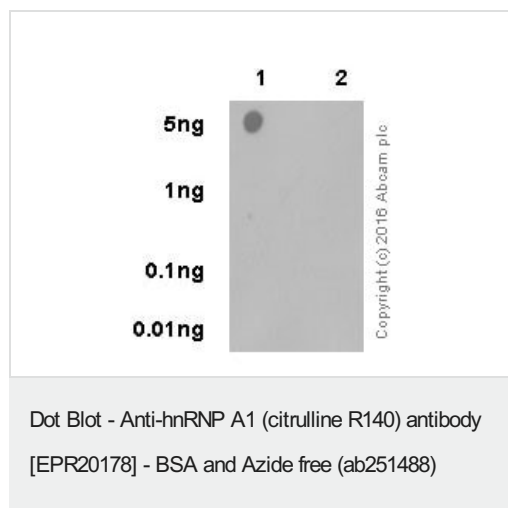
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251488 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| Dot blot | | Use at an assay dependent concentration. |
| WB | | Use at an assay dependent concentration. Detects a band of approximately 34 kDa (predicted molecular weight: 39 kDa). |

Target

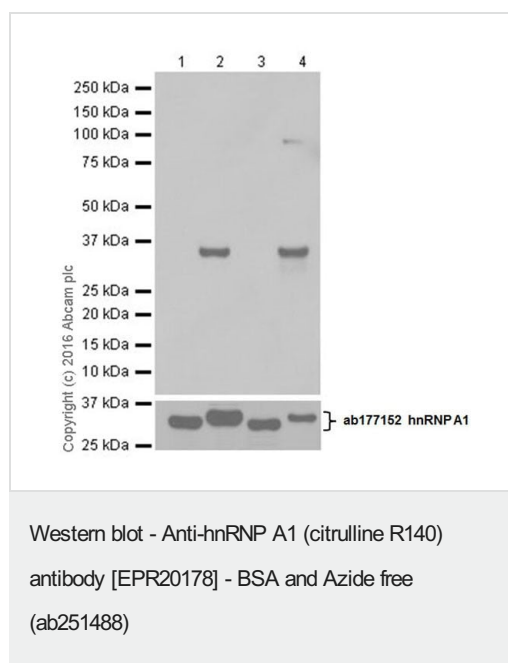
| | |
|----------------------------------|--|
| Function | Involved in the packaging of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and may modulate splice site selection. May play a role in HCV RNA replication. |
| Sequence similarities | Contains 2 RRM (RNA recognition motif) domains. |
| Post-translational modifications | Arg-194, Arg-206 and Arg-225 are dimethylated, probably to asymmetric dimethylarginine. Sumoylated. |
| Cellular localization | 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. |

Images



This data was developed using **ab208030**, the same antibody clone in a different buffer formulation. Dot blot analysis of hnRNP A1 (citrulline R140) labeled with **ab208030** at 1/1000 dilution. **Lane 1:** hnRNP A1 (citrulline R140) peptide. **Lane 2:** hnRNP A1 (citrulline R140) noncitrulline 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. **Exposure time** : 3 minutes.



All lanes : Anti-hnRNP A1 (citrulline R140) antibody [EPR20178] (**ab208030**) at 1/1000 dilution

Lane 1 : 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 whole cell lysate transfected with GFP tagged PAD12 and treated with 10mM CaCl₂ for 2h, then 10uM Ionomycin for 2h

Lane 3 : Empty vector (vector control) transfected HEK-293T whole cell lysate

Lane 4 : HEK-293T whole cell lysate transfected with GFP tagged PAD14 and treated with 10mM CaCl₂ for 2h, then 10uM Ionomycin for 2h

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: 39 kDa

Observed band size: 34 kDa

Exposure time: 5 seconds

This data was developed using **ab208030**, the same antibody clone in a different buffer formulation.

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 R140) antibody
[EPR20178] - BSA and Azide free (ab251488)

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

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