

### Anti-hnRNP A1 antibody [EPR12768] ab177152

KO 評価済 リコンビナント RabMAb

9 References 画像数 7

#### 製品の概要

製品名	Anti-hnRNP A1 antibody [EPR12768]
製品の詳細	Rabbit monoclonal [EPR12768] to hnRNP A1
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), IHC-P, WB, ICC/IF 適用なし: IP
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
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	MCF-7, HepG2, K562, HEK-293T, HeLa and Jurkat whole cell lysate ( <b>ab7899</b> ). Human breast carcinoma and clear cell carcinoma tissue. HepG2 cells. Permeabilized Jurkat cells.
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 <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### 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: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名                          EPR12768

アイソタイプ                       lgG

## 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ab177152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
Flow Cyt (Intra)		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		1/1000 - 1/10000. Detects a band of approximately 34 kDa (predicted molecular weight: 38 kDa).
ICC/IF		1/100 - 1/250.

**追加情報**    Is unsuitable for IP.

## ターゲット情報

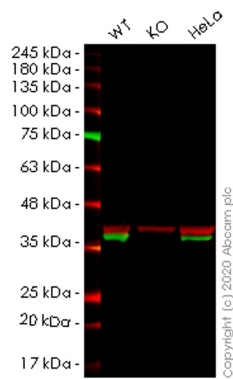
**機能**    Involved in the packaging of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and may modulate splice site selection. May play a role in HCV RNA replication.

**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 antibody [EPR12768] (ab177152)

**All lanes** : Anti-hnRNP A1 antibody [EPR12768] (ab177152) at 1/1000 dilution

**Lane 1** : Wild-type HEK293T cell lysate

**Lane 2** : HNRNPA1 knockout HEK293T cell lysate

**Lane 3** : HeLa cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

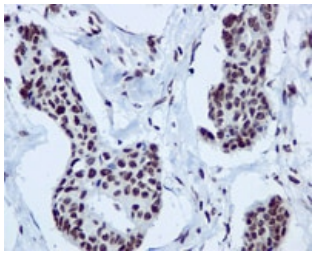
**All lanes** : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

**Predicted band size:** 38 kDa

**Observed band size:** 37 kDa

**Lanes 1-3:** Merged signal (red and green). Green - ab177152 observed at 37 kDa. Red - loading control **ab8245** observed at 36 kDa.

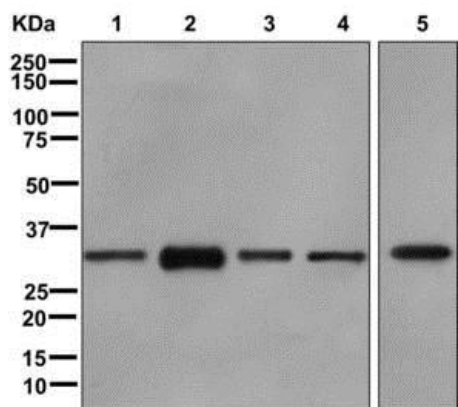
ab177152 Anti-hnRNP A1 antibody [EPR12768] was shown to specifically react with hnRNP A1 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266193** (knockout cell lysate **ab256942**) was used. Wild-type and hnRNP A1 knockout samples were subjected to SDS-PAGE. ab177152 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP A1 antibody [EPR12768] (ab177152)

Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue labeling hnRNP A1 with ab177152 at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-hnRNP A1 antibody [EPR12768] (ab177152)

**All lanes** : Anti-hnRNP A1 antibody [EPR12768] (ab177152) at 1/1000 dilution

**Lane 1** : MCF7 cell lysate

**Lane 2** : HepG2 cell lysate

**Lane 3** : K562 cell lysate

**Lane 4** : HeLa cell lysate

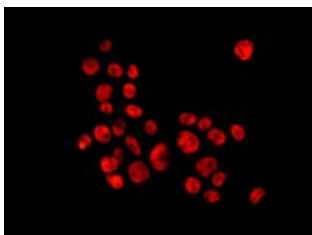
**Lane 5** : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

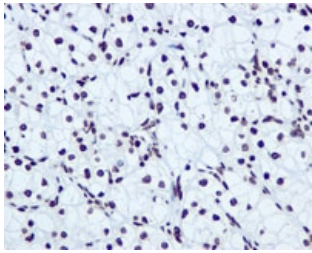
**All lanes** : Goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 38 kDa



Immunocytochemistry/ Immunofluorescence - Anti-hnRNP A1 antibody [EPR12768] (ab177152)

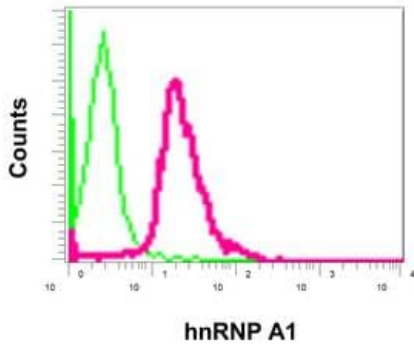
Immunofluorescent analysis of HepG2 cells labeling hnRNP A1 with ab177152 at 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP A1 antibody [EPR12768] (ab177152)

Immunohistochemical analysis of paraffin-embedded Human clear cell carcinoma tissue labeling hnRNP A1 with ab177152 at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-hnRNP A1 antibody [EPR12768] (ab177152)

Intracellular flow cytometric analysis of permeabilized Jurkat cells labeling hnRNP A1 with ab177152 at 1/10 dilution (red), or a rabbit IgG (negative) (green).

### Why choose a recombinant antibody?

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**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 antibody [EPR12768] (ab177152)

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