


Anti-hnRNP C1/C2 antibody [EPNCIR152] ab133607

リコンビナント **RabMAb**

★★★★★ **2 Abreviews** **9 References** 画像数 5

製品の概要

製品名	Anti-hnRNP C1/C2 antibody [EPNCIR152]
製品の詳細	Rabbit monoclonal [EPNCIR152] to hnRNP C1/C2
由来種	Rabbit
特異性	This antibody is specific to isoform C2.
アプリケーション	適用あり: WB, IHC-P, ICC/IF
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	WB: HeLa, MCF7, HepG2, K562, and 293T cell lysates IHC-P: Human kidney and Human thyroid carcinoma tissues
特記事項	<p>This antibody was developed as part of a collaboration between the National Cancer Institute's Center for Cancer Research and the lab of Mirit Aladjem. <u>View antibodies from NCI Center for Cancer Research Collaboration.</u></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 <u>see here.</u></p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <u>RabMAb[®] patents.</u></p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPNCIR152
アイソタイプ	IgG

アプリケーション

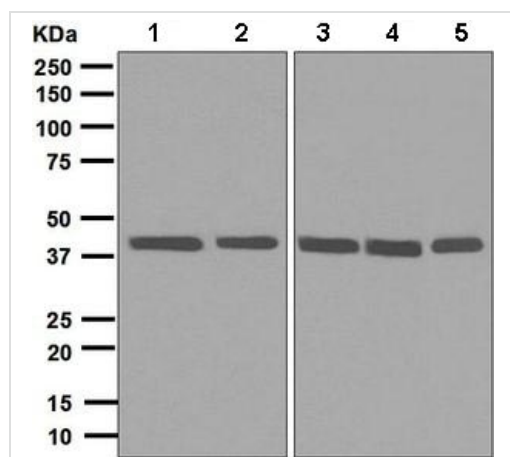
The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab133607の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/10000 - 1/50000. Detects a band of approximately 42 kDa (predicted molecular weight: 33 kDa).
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/250 - 1/500.

ターゲット情報

機能	Binds pre-mRNA and nucleates the assembly of 40S hnRNP particles (PubMed:8264621). Specifically recognizes and binds N6-methyladenosine (m6A)-containing RNAs, a modification present at internal sites of mRNAs that affects mRNA splicing, processing and stability. M6A alters the local structure in mRNAs and long non-coding RNAs (lncRNAs) via a mechanism named 'm(6)A-switch' to facilitate binding of HNRNPC, leading to regulation of mRNA splicing (PubMed:25719671). Single HNRNPC tetramers bind 230-240 nucleotides. Trimers of HNRNPC tetramers bind 700 nucleotides. May play a role in the early steps of spliceosome assembly and pre-mRNA splicing. Interacts with poly-U tracts in the 3'-UTR or 5'-UTR of mRNA and modulates the stability and the level of translation of bound mRNA molecules (PubMed:12509468, PubMed:16010978, PubMed:7567451, PubMed:8264621).
配列類似性	Belongs to the RRM HNRPC family. RALY subfamily. Contains 1 RRM (RNA recognition motif) domain.
翻訳後修飾	Phosphorylated on Ser-260 and Ser-299 in resting cells. Phosphorylated on Ser-253 and on 1 serine residue in the poly-Ser stretch at position 238 in response to hydrogen peroxide. Sumoylated. Sumoylation reduces affinity for mRNA.
細胞内局在	Nucleus. Component of ribonucleosomes.

画像



Western blot - Anti-hnRNP C1/C2 antibody
[EPNCIR152] (ab133607)

All lanes : Anti-hnRNP C1/C2 antibody [EPNCIR152] (ab133607)
at 1/10000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : MCF7 cell lysate

Lane 3 : HepG2 cell lysate

Lane 4 : K562 cell lysate

Lane 5 : 293T cell lysate

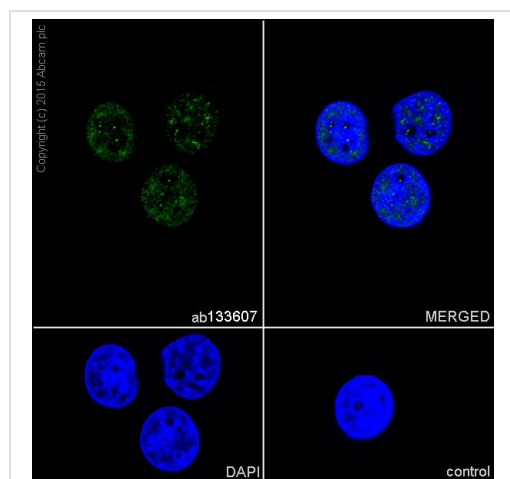
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

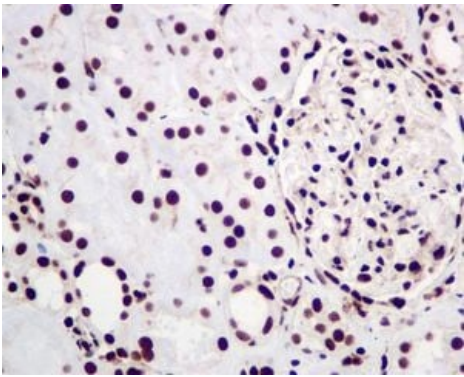
Predicted band size: 33 kDa

Actual band size : 42 kDa



Immunocytochemistry/ Immunofluorescence - Anti-
hnRNP C1/C2 antibody [EPNCIR152] (ab133607)

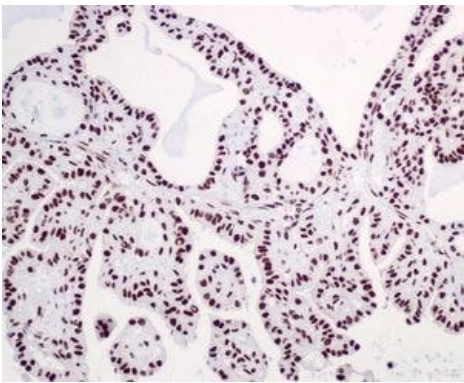
Immunofluorescence staining of MCF-7 cells with purified
ab133607 at a working dilution of 1/500, counter-stained with DAPI.
The secondary antibody was an Alexa Fluor® 488 conjugated goat
anti-rabbit (**ab150077**), used at a dilution of 1/1000. The cells were
fixed in 4% PFA and permeabilized using 0.1% Triton X 100. The
negative control is shown in bottom right hand panel - for the
negative control, PBS was used instead of the primary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP C1/C2 antibody [EPNCIR152] (ab133607)

Immunohistochemical analysis of paraffin embedded Human kidney tissue labelling hnRNP C1/C2 with ab133607 antibody at a dilution of 1/250.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP C1/C2 antibody [EPNCIR152] (ab133607)

Immunohistochemical analysis of paraffin embedded Human thyroid carcinoma tissue labelling hnRNP C1/C2 with ab133607 antibody at a dilution of 1/250.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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 C1/C2 antibody [EPNCIR152]
(ab133607)

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