

Anti-hnRNP C1/C2 antibody [EP3034Y] ab75822

リコンビナント RabMAb

2 References 画像数 5

製品の概要

製品名	Anti-hnRNP C1/C2 antibody [EP3034Y]
製品の詳細	Rabbit monoclonal [EP3034Y] to hnRNP C1/C2
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P 適用なし: Flow Cyt or IP
種交差性	交差種: Mouse, Rat, Human
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: Mouse and Rat brain lysate, HeLa, and MCF7 lysate. IHC-P: Human breast cancer tissue, Mouse and Rat testis.
特記事項	<p>This product has switched from a hybridoma to recombinant production method on 23rd February 2024.</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>

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: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EP3034Y
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ab75822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。

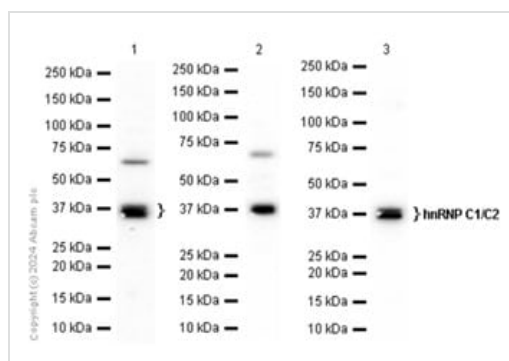
アプリケーション	Abreviews	特記事項
WB		1/10000. Detects a band of approximately 34 kDa (predicted molecular weight: 34 kDa).
IHC-P		1/800. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

追加情報 Is unsuitable for Flow Cyt or IP.

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
[EP3034Y] (ab75822)

All lanes : Anti-hnRNP C1/C2 antibody [EP3034Y] (ab75822) at 1/10000 dilution

Lane 1 : Mouse brain lysate

Lane 2 : Rat brain lysate

Lane 3 : HeLa (Human cervix adenocarcinoma epithelial cell) whole lysate

Lysates/proteins at 15 µg per lane.

Secondary

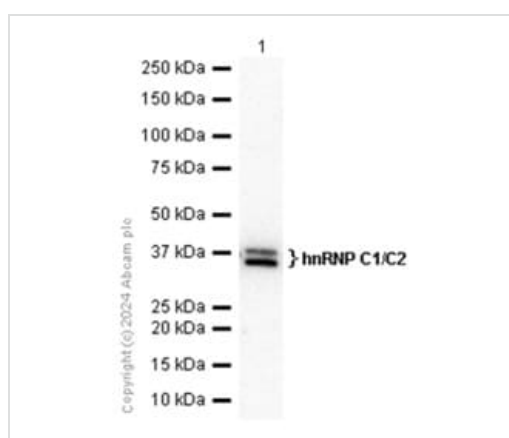
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 34 kDa

Observed band size: 34 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Exposure time: Lane 1, 60 seconds; Lane 2, 5 seconds; Lane 3, 3 seconds



Western blot - Anti-hnRNP C1/C2 antibody
[EP3034Y] (ab75822)

Anti-hnRNP C1/C2 antibody [EP3034Y] (ab75822) at 1/10000 dilution + MCF7 (Human breast adenocarcinoma epithelial cell) whole lysate at 15 µg

Secondary

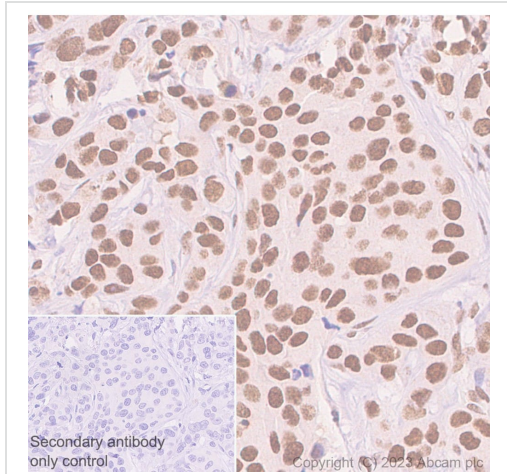
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 34 kDa

Observed band size: 34 kDa

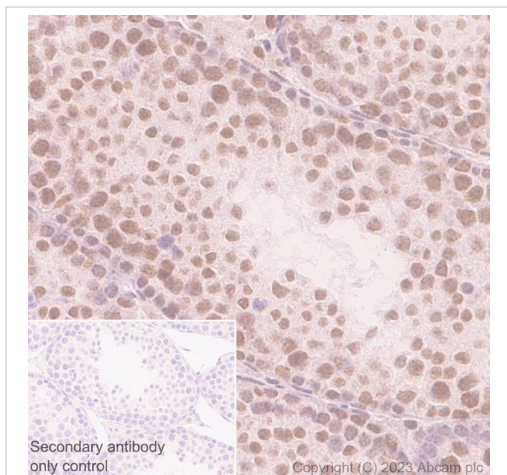
Exposure time: 180 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST.



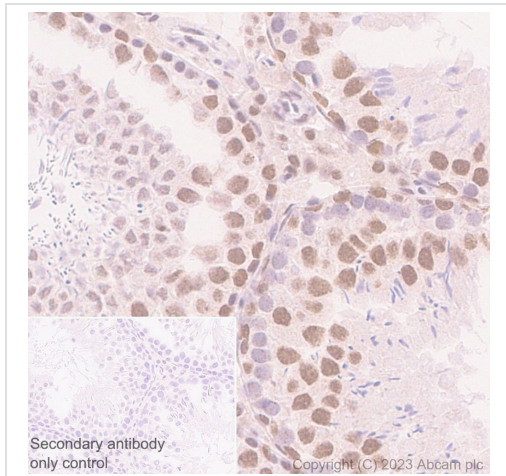
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP C1/C2 antibody [EP3034Y] (ab75822)

Immunohistochemical analysis of paraffin-embedded Human breast cancer labeling hnRNP C1/C2 with ab75822 at 1/800 dilution (0.589 µg/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). The section was incubated with ab75822 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin. Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP C1/C2 antibody [EP3034Y] (ab75822)

Immunohistochemical analysis of paraffin-embedded Mouse testis tissue labeling hnRNP C1/C2 with ab75822 at 1/800 dilution (0.589 µg/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). The section was incubated with ab75822 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin. Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.



Immunohistochemical analysis of paraffin-embedded Rat testis tissue labeling hnRNP C1/C2 with ab75822 at 1/800 dilution (0.589 µg/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). The section was incubated with ab75822 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin. Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP C1/C2 antibody [EP3034Y] (ab75822)

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