

Anti-PCBP2/hnRNP E2 antibody [EPR14859(2)] ab200835

リコンビナント **RabMAb**

画像数 8

製品の概要

製品名	Anti-PCBP2/hnRNP E2 antibody [EPR14859(2)]
製品の詳細	Rabbit monoclonal [EPR14859(2)] to PCBP2/hnRNP E2
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), IP, WB, ICC/IF
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: HeLa, Jurkat, K562, C6, RAW 264.7, PC-12 and NIH/3T3 whole cell lysates; Mouse brain, Mouse heart, Rat heart and Rat spleen lysates. ICC/IF: HeLa cells. Flow Cyt (intra): Jurkat cells. IP: Jurkat whole cell lysate.
特記事項	<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 +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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR14859(2)

アプリケーション

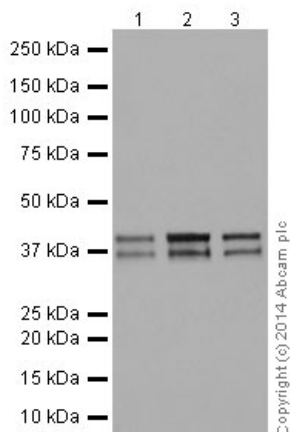
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab200835の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/250. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IP		1/80.
WB		1/1000. Detects a band of approximately 35, 39 kDa (predicted molecular weight: 34-39 kDa).
ICC/IF		1/500.

ターゲット情報

機能	Single-stranded nucleic acid binding protein that binds preferentially to oligo dC. Major cellular poly(rC)-binding protein. Binds also poly(rU). Negatively regulates cellular antiviral responses mediated by MAVS signaling. It acts as an adapter between MAVS and the E3 ubiquitin ligase ITCH, therefore triggering MAVS ubiquitinationa and degradation.
組織特異性	Detected in all tissues examined.
配列類似性	Contains 3 KH domains.
翻訳後修飾	Phosphorylated. The non-phosphorylated form(s) exhibited the strongest poly(rC)-binding activity.
細胞内局在	Nucleus. Cytoplasm. Loosely bound in the nucleus. May shuttle between the nucleus and the cytoplasm.

画像



Western blot - Anti-PCBP2/hnRNP E2 antibody
[EPR14859(2)] (ab200835)

All lanes : Anti-PCBP2/hnRNP E2 antibody [EPR14859(2)]
(ab200835) at 1/10000 dilution

Lane 1 : HeLa (Human epithelial cells from cervix
adenocarcinoma) whole cell lysate

Lane 2 : Jurkat (Human T cell leukemia cells from peripheral blood)
whole cell lysate

Lane 3 : K562 (Human chronic myelogenous leukemia cells from
bone marrow) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at
1/1000 dilution

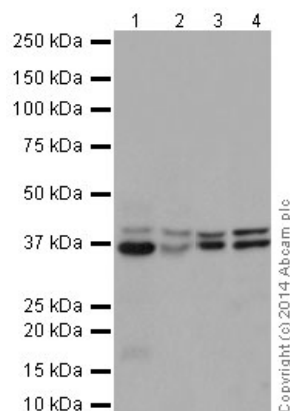
Predicted band size: 34-39 kDa

Observed band size: 35,39 kDa

Exposure time: 3 minutes

Based on sequence analysis, ab200835 recognizes isoforms 1-6
which have corresponding Mw between 34-39kDa.

Blocking/Dilution Buffer: 5% NFDM/TBST.



Western blot - Anti-PCBP2/hnRNP E2 antibody
[EPR14859(2)] (ab200835)

All lanes : Anti-PCBP2/hnRNP E2 antibody [EPR14859(2)]
(ab200835) at 1/1000 dilution

Lane 1 : Mouse brain lysate

Lane 2 : Mouse heart lysate

Lane 3 : Rat heart lysate

Lane 4 : Rat spleen lysate

Lysates/proteins at 10 µg per lane.

Secondary

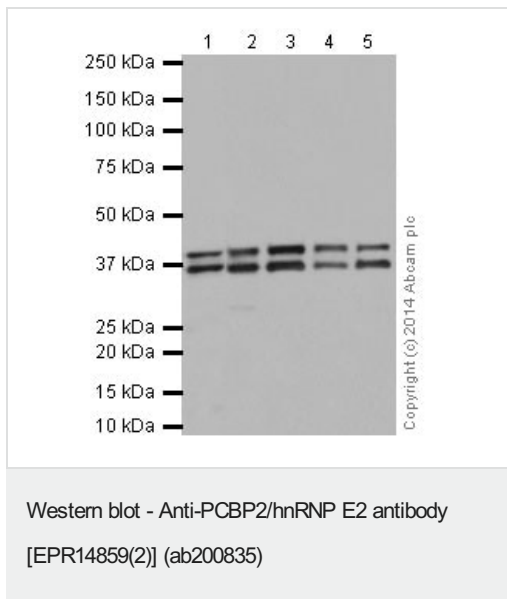
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at
1/1000 dilution

Predicted band size: 34-39 kDa

Observed band size: 35,39 kDa

Exposure time: 3 minutes

Blocking/Dilution Buffer: 5% NFDM/TBST.



All lanes : Anti-PCBP2/hnRNP E2 antibody [EPR14859(2)] (ab200835) at 1/1000 dilution

Lane 1 : Rat heart lysate

Lane 2 : C6 (Rat glial tumor cells) whole cell lysate

Lane 3 : RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate

Lane 4 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lane 5 : NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

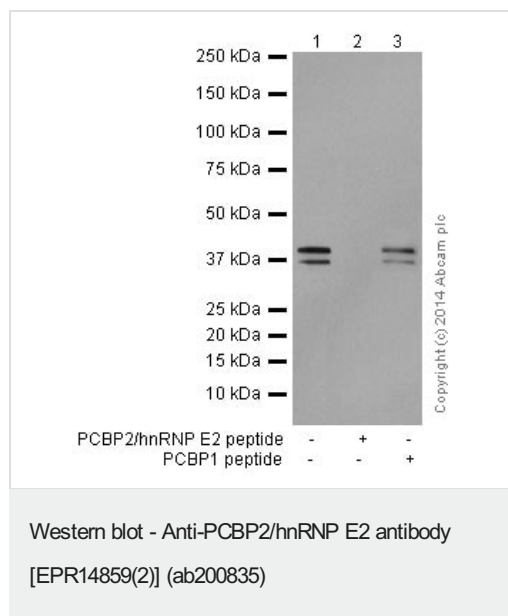
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 34-39 kDa

Observed band size: 35,39 kDa

Exposure time: 1 minute

Blocking/Dilution Buffer: 5% NFDM/TBST.



All lanes : Anti-PCBP2/hnRNP E2 antibody [EPR14859(2)] (ab200835) at 1/10000 dilution

Lane 1 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate

Lane 2 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate with PCBP2/hnRNP E2 peptide

Lane 3 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate with PCBP1 peptide

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

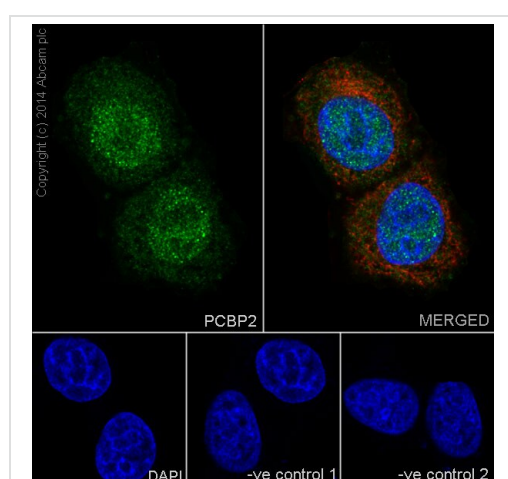
Predicted band size: 34-39 kDa

Observed band size: 35,39 kDa

Exposure time: 3 minutes

Blocking/Dilution Buffer: 5% NFDM/TBST.

Based on sequence analysis, ab200835 (PCBP2/hnRNP E2) shares 80% homology with family member PCBP1. The levels of XR were tested in the accompanying blocking experiment.

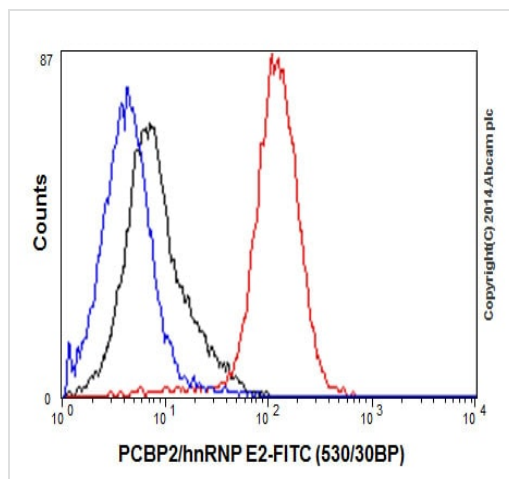


Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (Human epithelial cells from cervix adenocarcinoma) cells labeling PCBP2/hnRNP E2 with ab200835 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/500 dilution (green). Nuclear and cytoplasmic staining on HeLa cell line is observed. The nuclear counter stain is DAPI (blue). Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows;

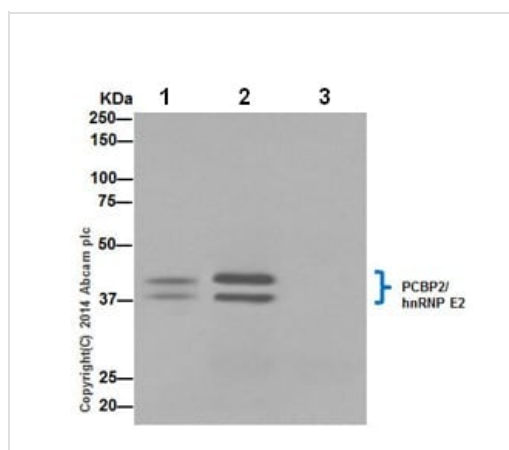
-ve control 1: ab200835 at 1/500 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 dilution.

-ve control 2: **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500 dilution.



Flow Cytometry (Intracellular) - Anti-PCBP2/hnRNP E2 antibody [EPR14859(2)] (ab200835)

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling PCBP2/hnRNP E2 with ab200835 at 1/250 dilution (red) compared with a rabbit monoclonal IgG isotype control (**ab172730**; black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (FITC) at 1/150 dilution was used as the secondary antibody.



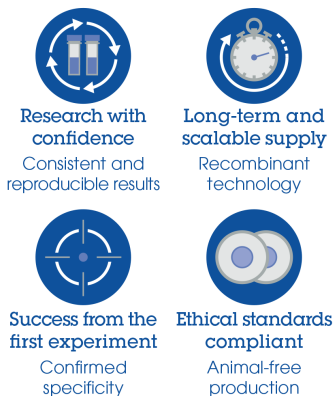
Immunoprecipitation - Anti-PCBP2/hnRNP E2 antibody [EPR14859(2)] (ab200835)

PCBP2/hnRNP E2 was immunoprecipitated from 1mg of Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate with ab200835 at 1/80 dilution. Western blot was performed from the immunoprecipitate using ab200835 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: Jurkat whole cell lysate 10 µg (Input). Lane 2: ab200835 IP in Jurkat whole cell lysate. Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab200835 in Jurkat whole cell lysate. Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 5 seconds

Why choose a recombinant antibody?



Anti-PCBP2/hnRNP E2 antibody [EPR14859(2)] (ab200835)

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