


Anti-CRM1 antibody [EPR14123(B)] ab180144

リコンビナント **RabMAb**

画像数 5

製品の概要

製品名	Anti-CRM1 antibody [EPR14123(B)]
製品の詳細	Rabbit monoclonal [EPR14123(B)] to CRM1
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB, 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 within Human CRM1 aa 50-150. The exact sequence is proprietary. Database link: Q14980
ポジティブ・コントロール	K562, HeLa, and Jurkat cell lysate. K562 and HeLa cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EPR14123(B)
アイソタイプ	IgG

アプリケーション

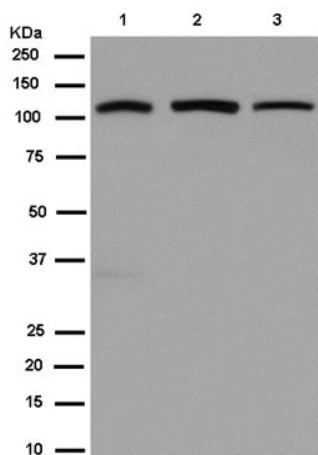
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab180144の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/200. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/2000. Detects a band of approximately 110 kDa (predicted molecular weight: 123 kDa).
ICC/IF		1/500.

ターゲット情報

機能	Mediates the nuclear export of cellular proteins (cargos) bearing a leucine-rich nuclear export signal (NES) and of RNAs. In the nucleus, in association with RANBP3, binds cooperatively to the NES on its target protein and to the GTPase RAN in its active GTP-bound form (Ran-GTP). Docking of this complex to the nuclear pore complex (NPC) is mediated through binding to nucleoporins. Upon transit of an nuclear export complex into the cytoplasm, disassembling of the complex and hydrolysis of Ran-GTP to Ran-GDP (induced by RANBP1 and RANGAP1, respectively) cause release of the cargo from the export receptor. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus. Involved in U3 snoRNA transport from Cajal bodies to nucleoli. Binds to late precursor U3 snoRNA bearing a TMG cap. Several viruses, among them HIV-1, HTLV-1 and influenza A use it to export their unspliced or incompletely spliced RNAs out of the nucleus. Interacts with, and mediates the nuclear export of HIV-1 Rev and HTLV-1 Rex proteins. Involved in HTLV-1 Rex multimerization.
組織特異性	Expressed in heart, brain, placenta, lung, liver, skeletal muscle, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes. Not expressed in the kidney.
配列類似性	Belongs to the exportin family. Contains 10 HEAT repeats. Contains 1 importin N-terminal domain.
翻訳後修飾	Phosphorylated upon DNA damage, probably by ATM or ATR.
細胞内局在	Cytoplasm. Nucleus > nucleoplasm. Nucleus > Cajal body. Nucleus > nucleolus. Located in the nucleoplasm, Cajal bodies and nucleoli. Shuttles between the nucleus/nucleolus and the cytoplasm.

画像



Western blot - Anti-CRM1 antibody [EPR14123(B)] (ab180144)

All lanes : Anti-CRM1 antibody [EPR14123(B)] (ab180144) at 1/2000 dilution

Lane 1 : K562 cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

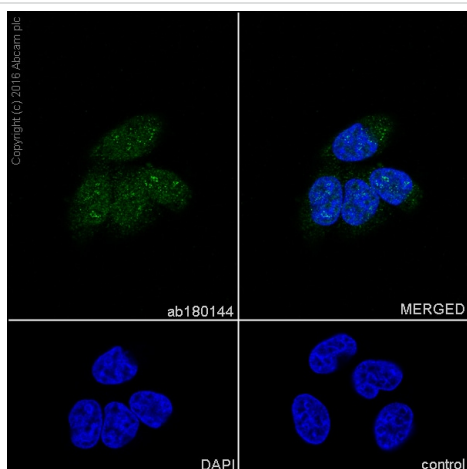
Secondary

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

Predicted band size: 123 kDa

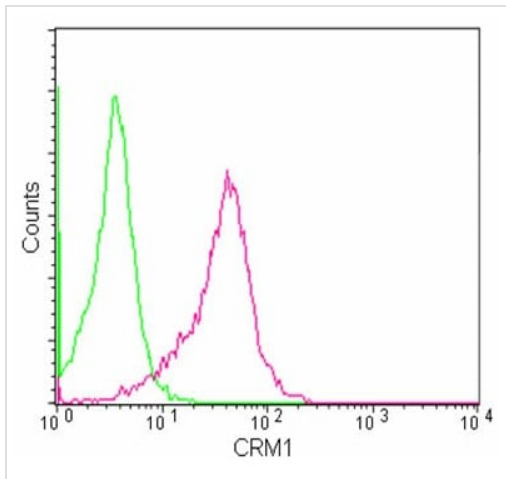
Observed band size: 110 kDa

Blocking buffer and concentration: 5%NFDM/TBST



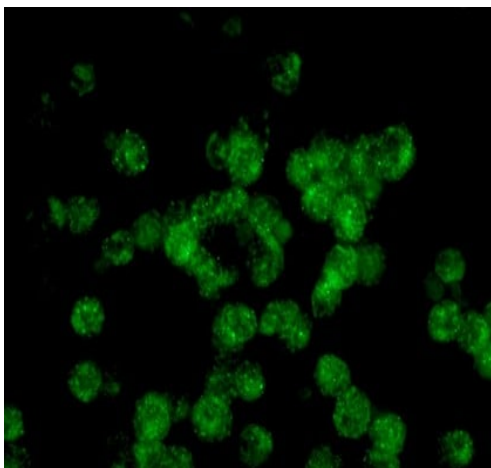
Immunocytochemistry/ Immunofluorescence - Anti-CRM1 antibody [EPR14123(B)] (ab180144)

Immunocytochemistry/Immunofluorescence analysis of HeLa (Human epithelial cell line from cervix adenocarcinoma) labeling CRM1 with Purified ab180144 at 1/500 dilution. Cells were fixed with 4% PFA and permeabilized with 0.1% tritonX-100. **ab150077** Goat anti rabbit IgG (Alexa Fluor® 488) at 1/1000 was used as the secondary antibody. Nuclei were counterstained with DAPI. PBS was used instead of the primary antibody as the negative control.



Flow Cytometry (Intracellular) - Anti-CRM1 antibody
[EPR14123(B)] (ab180144)

Intracellular flow cytometric analysis of 2% paraformaldehyde fixed HeLa cells labeling CRM1 with ab180144 at 1/200. Secondary antibody Goat anti rabbit IgG (FITC) at 1/75. Isotype control Rabbit IgG.



Immunocytochemistry/ Immunofluorescence - Anti-CRM1 antibody [EPR14123(B)] (ab180144)

Immunofluorescent analysis of 20°C acetone fixed K562 cells labeling CRM1 with ab180144 at 1/500 dilution. Secondary antibody Goat anti rabbit IgG (Dylight 488) .

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-CRM1 antibody [EPR14123(B)] (ab180144)

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