

Anti-Importin 9/RANBP9 antibody [EPR1352] - BSA and Azide free ab247974

KO 評価済 リコンビナント RabMAb

画像数 2

製品の概要

製品名	Anti-Importin 9/RANBP9 antibody [EPR1352] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR1352] to Importin 9/RANBP9 - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB 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: HeLa and SK-BR-3 cell lysates.
特記事項	<p>ab247974 is the carrier-free version of ab124710.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</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

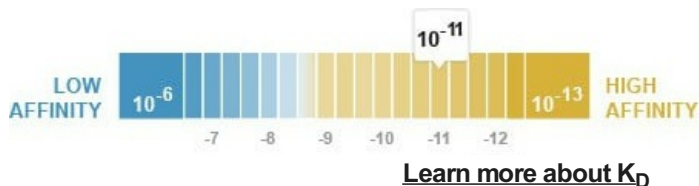
Liquid

保存方法

Shipped at 4°C. Store at +4°C. Do Not Freeze.

解離定数 (K_D 値)

$K_D = 2.29 \times 10^{-11}$ M



バッファー

pH: 7.2

Constituent: PBS

キャリア・フリー

はい

精製度

Protein A purified

ポリ/モノ

モノクローナル

クローン名

EPR1352

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ab247974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
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 116 kDa.

追加情報

Is unsuitable for Flow Cyt or IP.

ターゲット情報

機能

Functions in nuclear protein import as nuclear transport receptor. Serves as receptor for nuclear localization signals (NLS) in cargo substrates. Is thought to mediate docking of the importin/substrate complex to the nuclear pore complex (NPC) through binding to nucleoporin and the complex is subsequently translocated through the pore by an energy requiring, Ran-dependent mechanism. At the nucleoplasmic side of the NPC, Ran binds to the importin, the importin/substrate complex dissociates and importin is re-exported from the nucleus to the cytoplasm where GTP hydrolysis releases Ran. The directionality of nuclear import is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus (By similarity). Mediates the nuclear import of H2B histone (By similarity), RPS7 and RPL18A. Prevents the cytoplasmic aggregation of RPS7 and RPL18A by

shielding exposed basic domains. May also import H2A, H3, H4 histones (By similarity), RPL4 and RPL6.

配列類似性

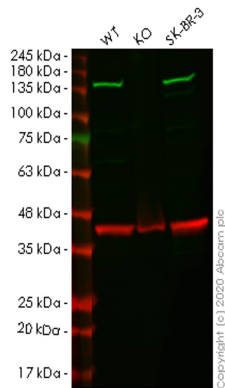
Belongs to the importin beta family.

Contains 1 importin N-terminal domain.

細胞内局在

Cytoplasm. Nucleus.

画像



Western blot - Anti-Importin 9/RANBP9 antibody [EPR1352] - BSA and Azide free (ab247974)

All lanes : Anti-Importin 9/RANBP9 antibody [EPR1352] ([ab124710](#)) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : IPO9 knockout HeLa cell lysate

Lane 3 : SK-BR-3 cell lysate

Lysates/proteins at 20 µg per lane.

Predicted band size: 116 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab124710](#)).

Lanes 1-3: Merged signal (red and green). Green - [ab124710](#).

Red - loading control, [ab8245](#) observed at 36 kDa.

[ab124710](#) was shown to react with IPO9 in wild-type HeLa cells in western blot. Loss of signal was observed when knockout cell line [ab265352](#) (knockout cell lysate [ab257483](#)) was used. Wild-type and IPO9 knockout samples were subjected to SDS-PAGE. [ab124710](#) 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 10000 dilution for 1 hour at room temperature before imaging.

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-Importin 9/RANBP9 antibody [EPR1352] - BSA and Azide free (ab247974)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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