abcam

Product datasheet

Anti-Nuclear Pore O-Linked Glycoprotein antibody [RL1] ab2734

7 References 画像数 4

製品の概要

製品名	Anti-Nuclear Pore O-Linked Glycoprotein antibody [RL1]
製品の詳細	Mouse monoclonal [RL1] to Nuclear Pore O-Linked Glycoprotein
由来種	Mouse
特異性	Detects nuclear pore-O-linked glycoprotein
アプリケーション	**適用あり:** IHC-P, WB
種交差性	**交差種:** Rat, Human
免疫原	Full length protein corresponding to Rat Nuclear Pore O-Linked Glycoprotein. Pore complex-lamina fraction purified from rat liver nuclear envelopes.
ポジティブ・コントロール	WB: HEK-293, THP-1, HeLa and PC-12 cell lysates. IHC-P: Rat lymph node, kidney and brain tissue.
特記事項	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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 or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium azide Constituent: PBS
精製度	Purified IgM
ポリ/モノ	モノクローナル
クローン名	RL1
アイソタイプ	IgM

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ab2734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。

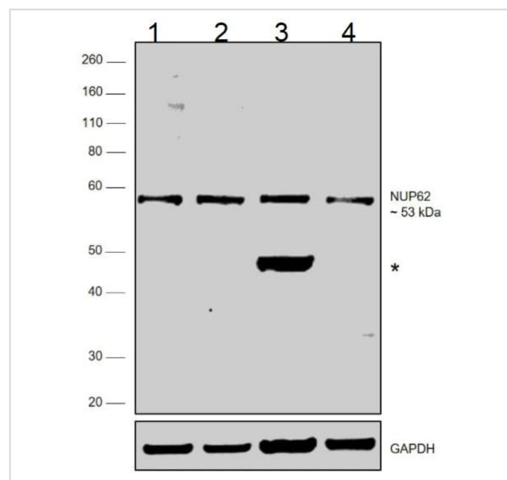
アプリケーション	Abreviews	特記事項
IHC-P		1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/1000.

ターゲット情報

関連性 Diffusion of metabolites and small non-nuclear molecules as well as active, mediated import of protein and export of protein and RNA through the nuclear envelope occurs through nuclear pore complexes or NPC's. NPC's contain up to 100 different polypeptides which have a combined mass of about 125 megadaltons. The channel available for passive transport through the NPC is about 9-10 nm in diameter while carrier mediated changes in the NPC result in a ~25 nm channel used for larger, actively transported molecules. Of the 100 polypeptides, at least 8 of these are O-linked N-acetylglycosamine-modified in mammalian cells. All of the mammalian O-linked glycoproteins contain multiple copies of phenylalanine, glycine dipeptide repeats dispersed throughout part of their sequence. Studies indicate that the NPC O-linked glycoproteins have a direct role in nuclear protein import.

細胞内局在 Nuclear membrane

画像



Western blot - Anti-Nuclear Pore O-Linked Glycoprotein antibody [RL1] (ab2734)

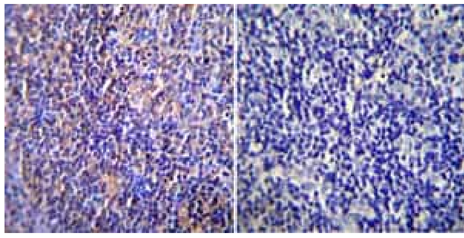
All lanes : Anti-Nuclear Pore O-Linked Glycoprotein antibody [RL1] (ab2734) at 1/1000 dilution

Lane 1 : HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate
Lane 2 : THP-1 (Human monocytic leukemia cell line) whole cell lysate
Lane 3 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate
Lane 4 : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate

Lysates/proteins at 30 µg per lane.

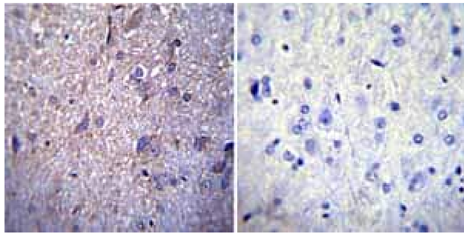
Secondary
All lanes : Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP at 1/4000 dilution

* an uncharacterized band at ~45 kDa.



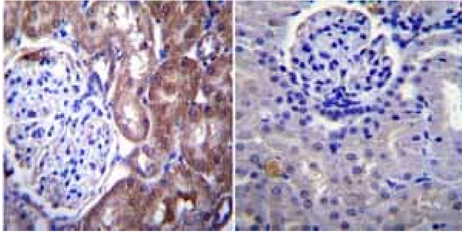
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nuclear Pore O-Linked Glycoprotein antibody [RL1] (ab2734)

Immunohistochemistry was performed on normal biopsies of deparaffinized Rat lymph node tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:200 with a mouse monoclonal antibody recognizing Nuclear Pore-O-Linked Glycoprotein ab2734 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nuclear Pore O-Linked Glycoprotein antibody [RL1] (ab2734)

Immunohistochemistry was performed on normal biopsies of deparaffinized Rat brain tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:200 with a mouse monoclonal antibody recognizing Nuclear Pore-O-Linked Glycoprotein ab2734 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nuclear Pore O-Linked Glycoprotein antibody [RL1] (ab2734)

Immunohistochemistry was performed on normal biopsies of deparaffinized Rat kidney tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:200 with a mouse monoclonal antibody recognizing Nuclear Pore-O-Linked Glycoprotein ab2734 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

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