abcam

Product datasheet

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

**7 References** 4 图像

## 概述

| | |
|---|---|
| **产品名称** | Anti-Nuclear Pore O-Linked Glycoprotein抗体[RL1] |
| **描述** | **小鼠单克隆抗体**[RL1] to**核**Pore O-Linked Glycoprotein |
| **宿主** | Mouse |
| **特异性** | Detects nuclear pore-O-linked glycoprotein |
| **经测试应用** | **适用于:** IHC-P, WB |
| **种属反应性** | **与反应:** 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. |
| **阳性对照** | WB: HEK-293, THP-1, HeLa and PC-12 cell lysates. IHC-P: Rat lymph node, kidney and brain tissue. |
| **常规说明** | 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.<br>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 |

## 性能

| | |
|---|---|
| **形式** | Liquid |
| **存放说明** | 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. |
| **存储溶液** | Preservative: 0.05% Sodium azide<br>Constituent: PBS |
| **纯度** | Purified IgM |
| **克隆** | 单克隆 |
| **克隆编号** | RL1 |
| **同种型** | IgM |

## 应用

**The Abpromise guarantee** **Abpromise™承诺保证使用ab2734于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|---|---|---|
| **IHC-P** | | 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |
| **WB** | | 1/1000. |

## 靶标

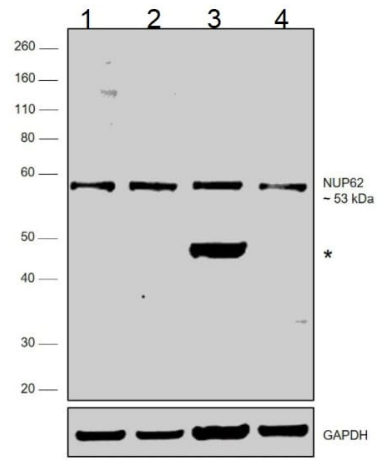
**相关性**

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.

**细胞定位**

Nuclear membrane

## 图片




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

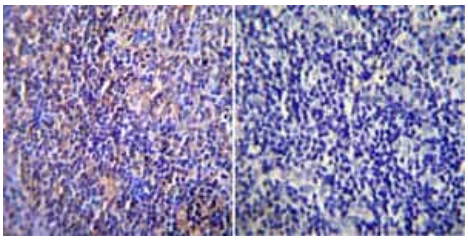
**All lanes :** Anti-Nuclear Pore O-Linked Glycoprotein antibody [RL1] (ab2734) at 1/1000 dilution

**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.

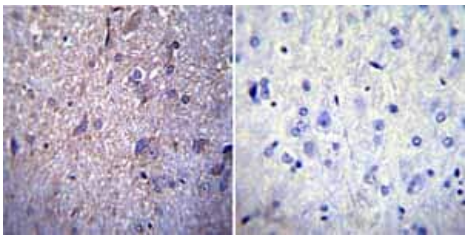
**Secondary**
**All lanes :** Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP at 1/4000 dilution

* an uncharacterized band at ~45 kDa.



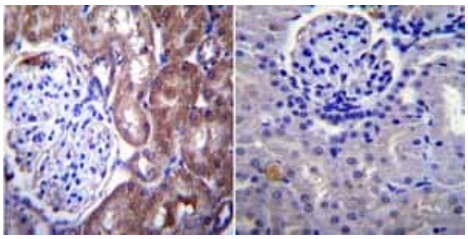
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nuclear Pore O-Linked Glycoprotein antibody [RL1] (ab2734)

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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