

Anti-O-Linked N-Acetylglucosamine antibody [RL2] ab2739

★★★★★ [17 Abreviews](#) [162 References](#) [4 图像](#)

概述

产品名称	Anti-O-Linked N-Acetylglucosamine抗体[RL2]
描述	小鼠单克隆抗体[RL2] to O-Linked N-Acetylglucosamine
宿主	Mouse
经测试应用	适用于: ICC/IF, WB
种属反应性	与反应: Rat, Human
免疫原	Tissue, cells or virus corresponding to O-Linked N-Acetylglucosamine. Specifically, isolated rat liver nuclear envelopes, which contain 8 O-Linked glycoproteins in the nuclear pore complex
阳性对照	ICC-IF: MCF7 cells. WB: Jurkat cells treated with 50 uM PugNAc; SH-SY5Y) whole cell lysate - treated with 50µM z-Pugnac; Rat Liver Nuclear Envelope lysate.
常规说明	<p>This antibody clone [RL2] is manufactured by Abcam.</p> <p>If you require this antibody in a particular buffer formulation or a particular conjugate for your experiments, please contact orders@abcam.com or you can find further information here.</p> <p>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.</p> <p>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</p>

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	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 6.97% L-Arginine</p>
纯度	Protein G purified
克隆	单克隆

克隆编号	RL2
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab2739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。

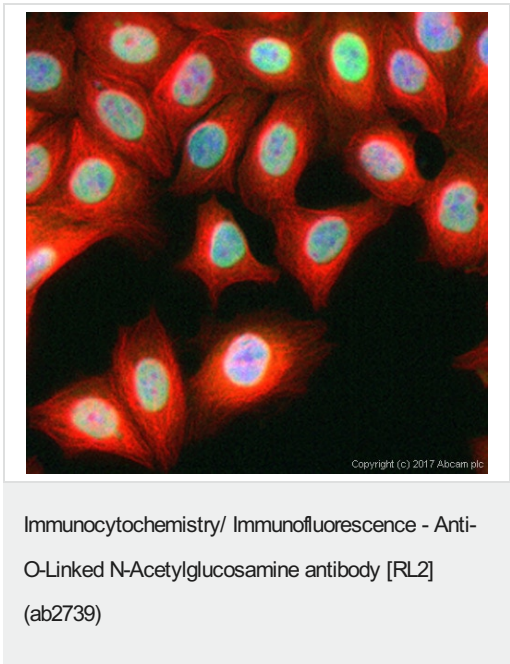
应用	Ab评论	说明
ICC/IF	★★★★★ (2)	Use a concentration of 5 - 10 µg/ml.
WB	★★★★★ (15)	Use a concentration of 1 µg/ml.

靶标

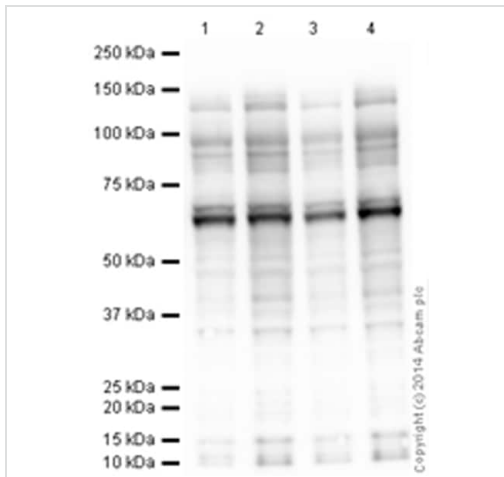
相关性

Many cellular proteins, including nuclear pore, oncogene, cytoskeletal, heat shock, viral and transcription regulatory proteins contain single O-linked N-acetylglucosamine (O-GlcNAc) residues attached to serine or threonine residues. It has been observed that O-GlcNAc glycosylated proteins tend to be under phosphorylated relative to unglycosylated proteins and that O-GlcNAc bearing proteins tend to be found in multimeric complexes. This has led to the suggestion that O-GlcNAc glycosylation may obscure phosphorylation sites and acts as a signaling mechanism or mediator of signaling.

图片



ab2739 stained in MCF7 cells. Cells were fixed with 4% paraformaldehyde (10min) at room temperature and incubated with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% triton for 1h at room temperature to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab2739 at 5µg/ml and [ab6046](#) (Rabbit polyclonal to beta Tubulin - Loading Control) at 1/1000 dilution overnight at +4°C. The secondary antibodies were [ab150080](#) (pseudo-colored red) and [ab150117](#) (colored green) used at 1 ug/ml for 1hour at room temperature. DAPI was used to stain the cell nuclei (colored blue) at a concentration of 1.43µM for 1hour at room temperature.



Western blot - Anti-O-Linked N-Acetylglucosamine antibody [RL2] (ab2739)

All lanes : Anti-O-Linked N-Acetylglucosamine antibody [RL2] (ab2739) at 1 µg/ml

Lanes 1 & 3 : Jurkat cells treated with 0 uM PugNAc

Lane 2 : Jurkat cells treated with 50 uM PugNAc (3 hours)

Lane 4 : Jurkat cells treated with 4 mM glucosamine and 50 uM PugNAc (3 hours)

Lysates/proteins at 20 µg per lane.

Secondary

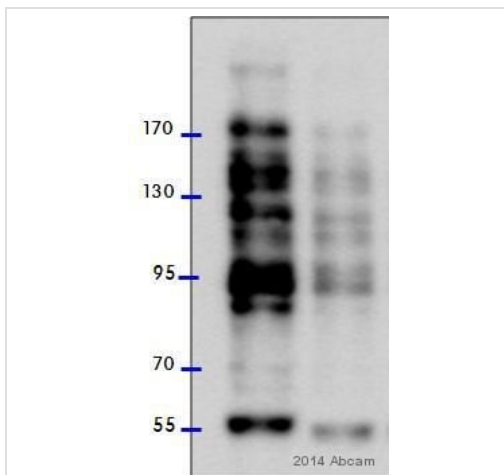
All lanes : Goat Anti-Mouse IgG H&L (HRP) preadsorbed (**ab97040**) at 1/50000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 12 minutes

Jurkat cells were treated with either 50 uM PugNAc (**ab144670**) or 4 mM glucosamine + 50 uM PugNAc (**ab144670**) for three hours prior to harvest to stimulate O-linked glycosylation. The expected increase in glycosylation is observed in the treated lanes 2 & 4.



Western blot - Anti-O-Linked N-Acetylglucosamine antibody [RL2] (ab2739)

This image is courtesy of an anonymous Abreview

All lanes : Anti-O-Linked N-Acetylglucosamine antibody [RL2] (ab2739) at 1/3000 dilution

Lane 1 : Human neuroblastoma (SH-SY5Y) whole cell lysate - treated with 50µM z-Pugnac for 24 hours

Lane 2 : Human neuroblastoma (SH-SY5Y) whole cell lysate - untreated

Lysates/proteins at 20 µg per lane.

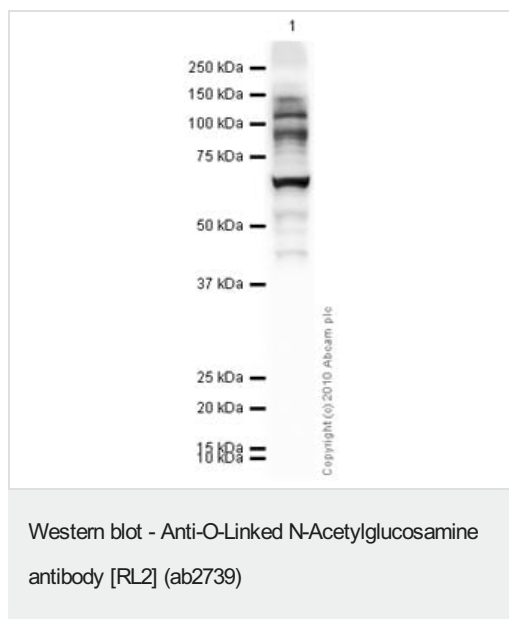
Secondary

All lanes : HRP-conjugated horse anti-mouse IgG polyclonal

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 30 seconds



Anti-O-Linked N-Acetylglucosamine antibody [RL2] (ab2739) at 1 µg/ml + Rat Liver Nuclear Envelope at 10 µg

Secondary

Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 1 minute

The antibody was tested against the immunogen (isolated rat liver nuclear envelopes, which contain 8 O-linked glycoproteins in the nuclear pore complex).

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