

# HRP Anti-O-Linked N-Acetylglucosamine antibody [RL2] ab201995

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### 概述

产品名称	HRP Anti-O-Linked N-Acetylglucosamine抗体[RL2]
描述	HRP小鼠单克隆抗体[RL2] to O-Linked N-Acetylglucosamine
宿主	Mouse
偶联物	HRP
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Human
阳性对照	IHC-P: Normal human colon tissue. WB: Jurkat treated with 0 uM PugNAc and Jurkat treated with 4 mM glucosamine and 50 uM PugNAc (3 hours).
常规说明	<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&amp;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. Avoid freeze / thaw cycle. Store In the Dark.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.1% Proclin 300 Solution</p> <p>Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA</p>
纯度	IgG fraction
克隆	单克隆
克隆编号	RL2
同种型	IgG1

## 应用

### The Abpromise guarantee

**Abpromise™** 承诺保证使用ab201995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。

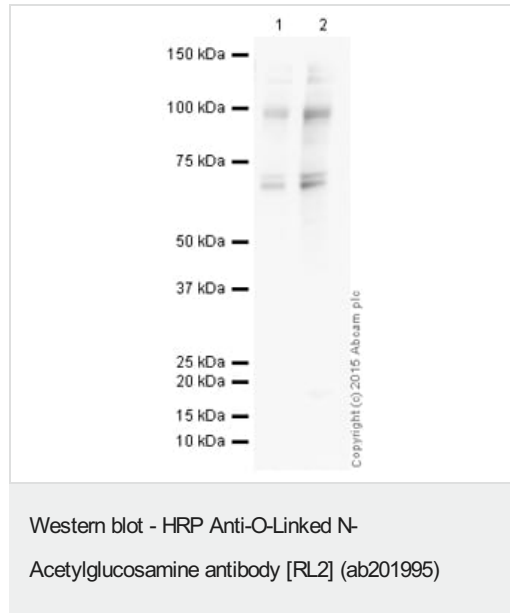
应用	Ab评论	说明
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/1000.

## 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



**All lanes :** HRP Anti-O-Linked N-Acetylglucosamine antibody [RL2] (ab201995) at 1/1000 dilution

**Lane 1 :** Jurkat treated with 0 uM PugNAc

**Lane 2 :** Jurkat treated with 4 mM glucosamine and 50 uM PugNAc (3 hours)

Lysates/proteins at 20 µg per lane.

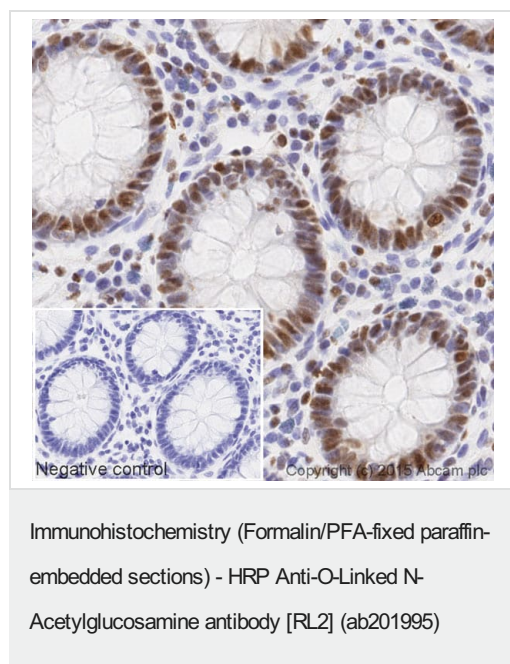
Performed under reducing conditions.

**Observed band size:** 100,65 kDa

**Exposure time:** 2 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab201995 overnight at 4°C. Antibody binding

was visualised using ECL development solution **ab133406**.



IHC image of O-linked N-Acetylglucosamine staining in a section of formalin-fixed paraffin-embedded normal human colon tissue\*, performed on a Leica BOND. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab201995, 1/100 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

\*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre.

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

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