

Product datasheet

Anti-O-Linked N-Acetylglucosamine antibody [HGAC85] - ChIP Grade ab2735

★★★★★ 3 Abreviews 7 References 2 图像

概述

产品名称	Anti-O-Linked N-Acetylglucosamine抗体[HGAC85] - ChIP Grade
描述	小鼠单克隆抗体[HGAC85] to O-Linked N-Acetylglucosamine - ChIP Grade
经测试应用	适用于: ChIP, IHC, ELISA, ICC/IF, IP, WB
种属反应性	与反应: Mouse, Rat, Sheep, Rabbit, Cow
免疫原	Heat killed, pepsin treated group A streptococci.
常规说明	DO NOT USE WITH DILUENTS CONTAINING GLYCOSYLATED PROTEINS.

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 Constituent: PBS
纯度	Ascites
克隆	单克隆
克隆编号	HGAC85
同种型	IgG3

应用

Our [Abpromise guarantee](#) covers the use of **ab2735** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ChIP		Use at an assay dependent concentration.
IHC		Use at an assay dependent concentration.

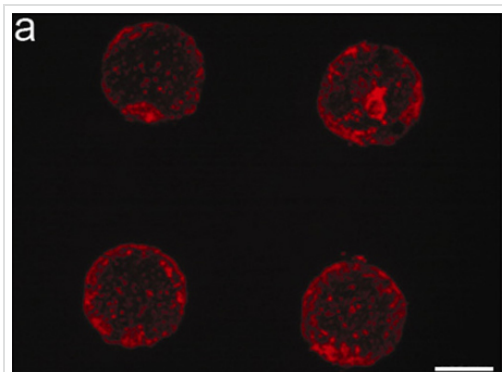
应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
ICC/IF	★★★★★	Use a concentration of 10 µg/ml.
IP		Use at an assay dependent concentration.
WB	★★★★★	Use a concentration of 1 µg/ml. This antibody detects several proteins representing O-GlcNAc glycoproteins.

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

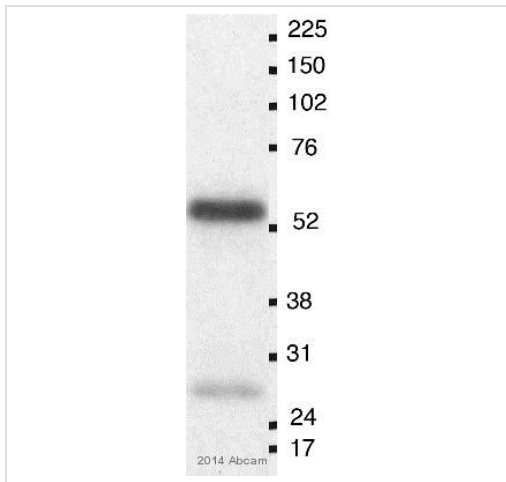


Small Molecule Fluorescent Optical Detection - Anti-O-Linked N-Acetylglucosamine antibody [HGAC85] (ab2735)

Image from Vázquez-Dorbatt V et al., *Biomacromolecules*, 2009, 10 (8), pp 2207–2212, Copyright 2009 American Chemical Society. Fig 5.; doi: 10.1021/bm900395h.

Fluorescence analysis of a synthetic glycopolymer, staining O-Linked N-Acetylglucosamine with ab2735.

A polydimethylsiloxane (PDMS) stamp was used for microcontact printing. The stamp was inked with a solution of glycopolymer (10 mM) and pressed into contact with freshly cleaned gold. The gold was then washed with absolute ethanol and dried with argon prior to incubating with primary antibody for 30 min followed by a AlexaFluor®568-conjugated goat-anti mouse secondary antibody for 30 min.



Western blot - Anti-O-Linked N-Acetylglucosamine [HGAC85] antibody - ChIP Grade (ab2735)

This image is courtesy of an anonymous Abreview

Anti-O-Linked N-Acetylglucosamine antibody [HGAC85] - ChIP Grade (ab2735) at 1/1000 dilution + Mouse liver tissue lysate - whole at 40 µg

Secondary

HRP-conjugated donkey anti-rabbit IgG polyclonal at 1/10000 dilution
Developed using the ECL technique

Performed under reducing conditions.

Observed band size : 28,54 kDa

Exposure time : 1 minute

This image is courtesy of an anonymous Abreview

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