O-GlcNAc Antibody (HGAC85)

**Unit Size**
0.1 ml

**Concentration**
This product is unpurified. The exact concentration of antibody is not quantifiable.

**Storage**
Store at -20°C. Avoid freeze-thaw cycles.

**Applications**
WB, ChIP, ELISA, ICC/IF, IHC, IHC-P, IP

**Species**
All Species

**Host**
Mouse

**Clonality**
Monoclonal

**Isotype**
IgG3 Kappa

**Purity**
Ascites

**Preservative**
0.1% Sodium Azide

**Specificity/Sensitivity**
Recognizes beta-1,3 linked O-linked N-acetylglucosamine (O-GlcNAc) residues of streptococcal group A carbohydrate as well as O-GlcNAc glycosylated proteins

**Immunogen**
Heat-killed, pepsin-treated group A streptococci (Streptococcus pyogenes)

**Recommended Dilutions**
- Chromatin Immunoprecipitation
- ELISA
- Immunocytochemistry/Immunofluorescence 1:100 - 1:200
- Immunohistochemistry
- Immunohistochemistry-Paraffin 1:200
- Immunoprecipitation (PMID: 19776393)
- Western Blot 1:500 - 1:1000

**Uses**
This O-GlcNAc Antibody (HGAC85) is useful for Western blot, Chromatin Immunoprecipitation, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin and Immunoprecipitation. ChIP assay reported in literature (PMID: 20368426). ICC and IP reported (Hamiel CR, et al). IHC reported (see Zhang X, et al). By Western blot, this antibody detects several proteins representing O-GlcNAc glycosylation. See more at www.novusbio.com/NB300-614

**References** (more available at www.novusbio.com/NB300-614)

**Images**
Western Blot: O-GlcNAc Antibody (HGAC85) [NB300-614] - Western blot analysis of O-GlcNAc expression in 1) HeLa, 2) NTERA-2, 3) PC-12 and 4) COS-7 cell lysates using untreated antibody on the left side and antibody preincubated with 50 uM Glc... See more at www.novusbio.com/NB300-614

Immunohistochemistry-Paraffin: O-GlcNAc Antibody (HGAC85) [NB300-614] - IHC staining of O-GlcNAc in mouse colon using DAB with hematoxylin counterstain.

**Notes**
Specificity to O-GlcNAc was verified in Western blot (see Images) by incubation of NB300-614 with 50 mM N-acetylglucosamine (Sigma Cat. No. A3286).

**Limitations:** This product is for research use only and is not approved for use in humans or in clinical diagnosis. Products are guaranteed for six months from the date of receipt except for peptides and proteins which are guaranteed for 3 months. For more information on our guarantee, please visit www.novusbio.com/guarantee.