

Anti-O-linked N-acetylglucosamine (O-GlcNAc) [3C1.E8]

Catalogue number: 153897

Sub-type: Primary antibody

Images:

Contributor

Inventor: Lance Wells

Institute: University of Georgia

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-O-linked N-acetylglucosamine (O-GlcNAc) [3C1.E8]

Alternate name: O-GlcNAc

Class: Monoclonal

Conjugate: Unconjugated

Description: The study of O-GlcNAc, a ubiquitous translation and transcription regulator which is found in a wide variety of proteins, is of great relevance to multiple chronic human and veterinary diseases. These include diabetes (and its effects in the heart, kidneys and eyes), cardiovascular disease, neurodegenerative disorders involving both plaque and tangle formation, inflammatory processes, liver disease, fibrosis, metabolic disorders and cancer. There is fast growing collection of evidence that O-GlcNAcylation plays a pivotal role in epigenetics.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Mammals

Selectivity:

Host: Mouse

Immunogen: Synthetic peptide O-GlcNAc

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: O-linked N-acetylglucosamine

Target alternate names:

Target background: The study of O-GlcNAc, a ubiquitous translation and transcription regulator which is found in a wide variety of proteins, is of great relevance to multiple chronic human and veterinary diseases. These include diabetes (and its effects in the heart, kidneys and eyes), cardiovascular disease, neurodegenerative disorders involving both plaque and tangle formation, inflammatory processes, liver disease, fibrosis, metabolic disorders and cancer. There is fast growing collection of evidence that O-GlcNAcylation plays a pivotal role in epigenetics.

Molecular weight:

Ic50:

Applications

Application: ELISA ; WB
Application notes:

Handling

Format: Liquid
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Rios et al. 2016. Angew Chem Int Ed Engl. 55(10):3387-92. PMID: 26822115. ; Synthetic Receptors for the High-Affinity Recognition of O-GlcNAc Derivatives. ; Teo et al. 2010. Nat Chem Biol. 6(5):338-43. PMID: 20305658. ; Glycopeptide-specific monoclonal antibodies suggest new roles for O-GlcNAc.

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