Anti-O-linked N-acetylglucosamine (O-GlcNAc) Monoclonal Antibodies (23 lines)

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Technology description

These mouse monoclonal antibodies were generated against a synthetic three-component O-linked N-acetylglucosamine (O-GlcNAc) immunogen and recognizes GluNAc pepetide/O-GlcNAc. Suitable for ELISA and Western Blot applications.

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. This a 23 Mab panel was developed specifically to study the diverse roles of O-GlcNAc and that can be employed for detection, isolation, and site localization.

Reagent Description

Antigen: GlcNAc

Clones Names : 11C6.E5 (IgG3); 11D6.C11(IgG3); 13F10.G6 (IgG2b); 14D9.D4 (IgG2a); 16B9.F1 (IgG1); 16E2.A3 (IgG3); 1D3.D6 (IgG1); 1D5.C1 (IgG2a); 1E5.H3 (IgG2a); 1E9.E3 (IgG3); 2A8.F3 (IgG3); 2D5.E6 (IgG3); 3C1.E8 (IgG1); 3G5.A2 (IgG2b); 5F6.G4 (IgG3); 5H11.H6 (IgG1); 6B5.A8 (IgG3); 6G3.A5 (IgG2a); 7A3.G8.F7 (IgG2a); 7B3.A3 (IgG3); 7B8.F5 (IgG1); 8C3.H2 (IgG3); 8G1.D6 (IgG2a)

Reactivity: GlcNAc

Immunogen: Synthetic peptide O-GlcNAc

Host: Mouse

Buffer: Cell culture supernatant

Tested Applications: ELISA, WB

Storage: -80 ^{O} C

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