

**O-GlcNAc Antibody**  
**O-GlcNAc Antibody, Clone 9H6**  
**Catalog # ASM10330****Specification****O-GlcNAc Antibody - Product Information**

|             |                     |
|-------------|---------------------|
| Application | <b>WB</b>           |
| Host        | <b>Mouse</b>        |
| Isotype     | <b>IgM</b>          |
| Clonality   | <b>Monoclonal</b>   |
| Format      | <b>Unconjugated</b> |

**Description**

Mouse Anti- $\beta$ -O-Linked N-Acetylglucosamine Monoclonal IgM

**Target/Specificity**

Specific for  $\beta$ -O-Linked N-Acetylglucosamine modified proteins. Does not cross-react with N-Acetylgalactosamine, Glucose, or Galactose modified proteins.

**Other Names**

$\beta$ -O-Linked N-Acetylglucosamine Antibody, O-Linked N-Acetylglucosamine Antibody, O-GlcNAc Antibody, Beta-O-Linked N-Acetylglucosamine Antibody, N-Acetylglucosamine Antibody, GlcNAc Antibody, N-Acetylglucosamine Antibody, 2-(Acetylamino)-2-deoxy-D-glucose Antibody, N-acetyl-D-glucosamine Antibody, NAG Antibody,  $\beta$ -D-(Acetylamino)-2-deoxy-glucopyranose Antibody, beta-N-Acetylglucosamine Antibody, N-Acetylglucosamine-modified protein Antibody,  $\beta$ -N-Acetylglucosamine Antibody

**Trademark****MOLECULAR SIGNATURE®****Immunogen**

Synthetic  $\beta$ -O-Linked N-Acetylglucosamine conjugated to Keyhole Limpet Hemocyanin (KLH).

**Purification**

PEG Purified

**Storage****-20°C****Storage Buffer**

PBS pH 7.4, 50% glycerol, 0.9% Sodium Azide

**Shipping Temperature****Blue Ice or 4°C****Certificate of Analysis**

A 1:1000 dilution of SMC-502 was sufficient for detection of O-GlcNAc in 2  $\mu$ g of O-GlcNAc conjugated to BSA by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody.

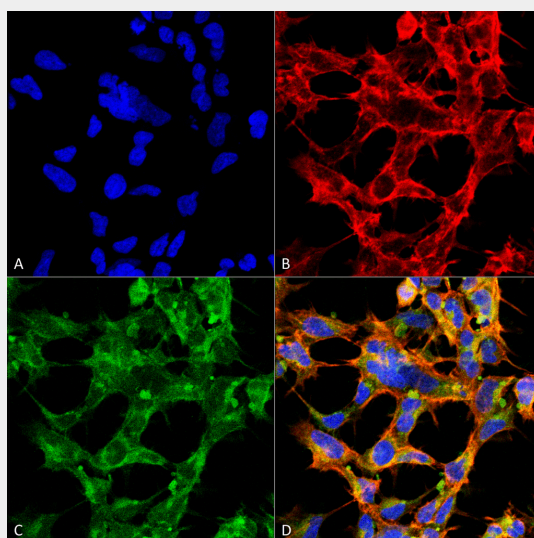
**O-GlcNAc Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

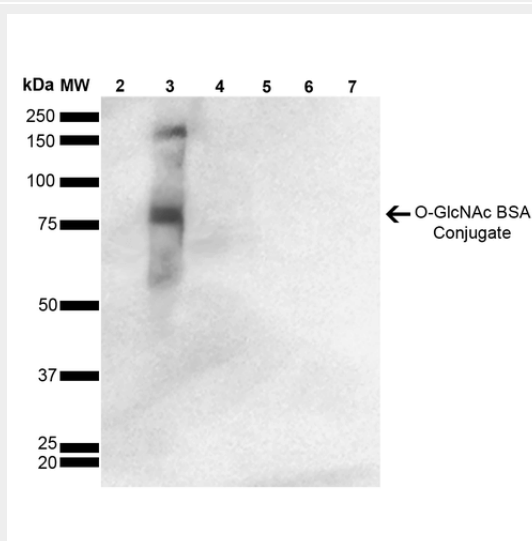
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## O-GlcNAc Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-O-GlcNAc Monoclonal Antibody, Clone 9H6 (ASM10330). Tissue: Embryonic kidney epithelial cell line (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-O-GlcNAc Monoclonal Antibody (ASM10330) at 1:50 for 30-60 min at RT. Secondary Antibody: Goat Anti-Mouse Alexa Fluor 488 at 1:1500 for 30-60 min at RT. Counterstain: Phalloidin Alexa Fluor 633 F-Actin stain; DAPI (blue) nuclear stain at 1:250, 1:50000 for 30-60 min at RT. Magnification: 20X (2X Zoom). (A) DAPI (blue) nuclear stain. (B) Phalloidin Alexa Fluor 633 F-Actin stain. (C) O-GlcNAc Antibody (D) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.



Western Blot analysis of GlcNAc-BSA Conjugate showing detection of 67 kDa O-GlcNAc protein using Mouse Anti-O-GlcNAc Monoclonal Antibody, Clone 9H6 (ASM10330). Lane 1: Molecular Weight Ladder (MW). Lane 2: BSA. Lane 3: GlcNAc-BSA. Lane 4: GalNAc-BSA. Lane 5:

Galactose-BSA. Lane 6: Glucose-BSA. Lane 7: Citrulline-BSA. Load: 2.0  $\mu$ g. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-O-GlcNAc Monoclonal Antibody (ASM10330) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 5 min in RT. Predicted/Observed Size: 67 kDa.