

**O-GalNAc Antibody**  
**O-GalNAc Antibody, Clone 9B9**  
**Catalog # ASM10331**

**Specification**

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**O-GalNAc Antibody - Product Information**

Application	<b>WB</b>
Host	<b>Mouse</b>
Isotype	<b>IgM</b>
Clonality	<b>Monoclonal</b>
<b>Description</b>	
$\beta$ -O-Linked N-Acetylgalactosamine Antibody	

**Target/Specificity**

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

**Other Names**

GalNAc Antibody, O-GalNAc Antibody,  $\beta$ -O-Linked N-Acetylgalactosamine Antibody, O-Linked N-Acetylgalactosamine Antibody, N-Acetylgalactosamine Antibody, 2-(Acetylamino)-2-deoxy-D-galactose Antibody, 2-Acetamido-2-deoxy-D-galactose Antibody, N-Acetylchondrosamine Antibody, 2-Acetamido-2-deoxy-D-galactopyranose Antibody, N-Acetyl-D-galactosamine Antibody, alpha-N-Acetylgalactosamine Antibody, N-Acetylgalactosamine-modified protein 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-503 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.

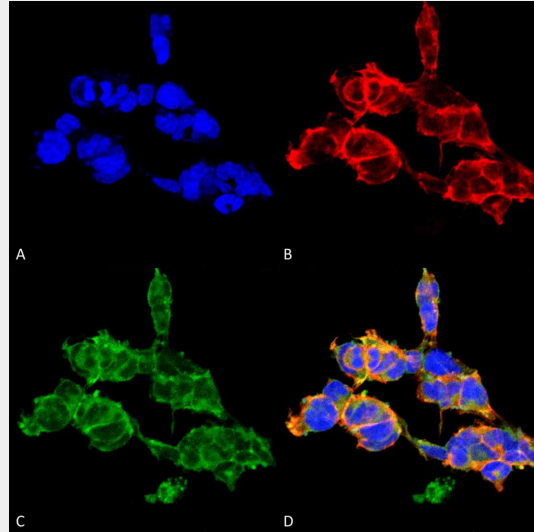
**O-GalNAc Antibody - Protocols**

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

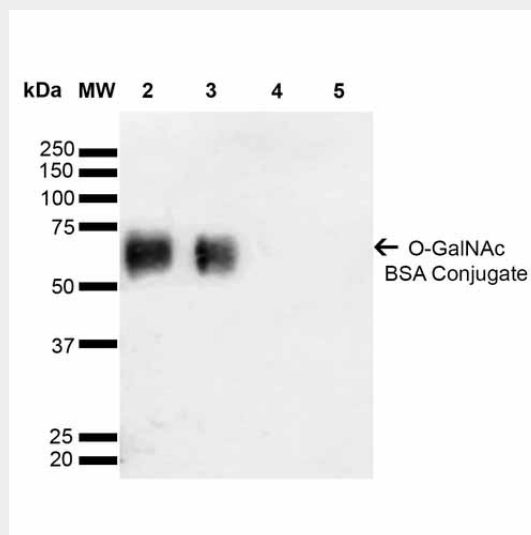
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

**O-GalNAc Antibody - Images**



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-O-GalNAc Monoclonal Antibody, Clone 9B9 (ASM10331). Tissue: Embryonic kidney cells (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-O-GalNAc Monoclonal Antibody (ASM10331) 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 Alex Fluor 633 F-Actin stain. (C) O-GalNAc Antibody (D) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.



Western Blot analysis of Glycoconjugates showing detection of 67 kDa GalNAc-BSA using Mouse Anti-GalNAc Monoclonal Antibody, Clone 9B9 (ASM10331). Lane 1: Molecular Weight Ladder (MW). Lane 2: GlcNAc-BSA. Lane 3: GalNAc-BSA. Lane 4: Galactose-BSA. Lane 5: Glucose-BSA. Load: 2.0 µg. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-GalNAc Monoclonal Antibody

(ASM10331) 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.