10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

O-GalNAc Antibody - Product Information

Application	**IHC, WB**
Host	**Mouse**
Isotype	**IgM**
Clonality	**Monoclonal**

Description
β-O-Linked N-Acetylgalactosamine Antibody

Target/Specificity
Specific for β-O-Linked N-Acetylgalactosamine and β-O-Linked N-Acetylglucosamine modified proteins. Does not cross-react with Glucose or Galactose modified proteins.

Other Names
GalNAC Antibody, O-GalNAC Antibody, β-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 β-O-Linked N-Acetylglucosamine conjugated to Keyhole Limpet Hemocyanin (KLH).

Purification
PEG Purified

Storage	**-20ºC**

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

Shipping Temperature	**Blue Ice or 4ºC**

Certificate of Analysis
A 1:1000 dilution of SMC-503 was sufficient for detection of O-GlcNAc in 2 µg 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

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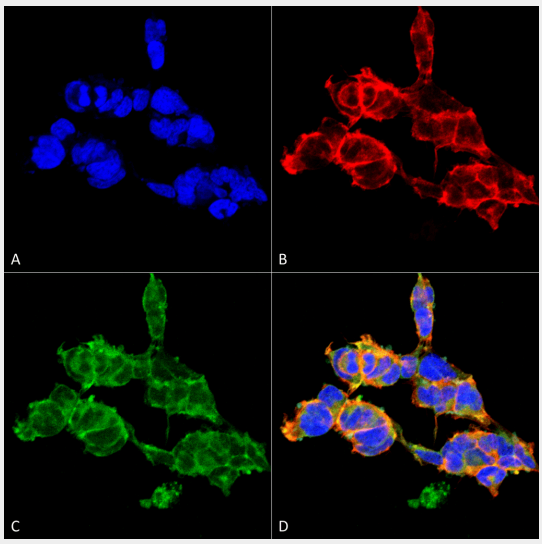
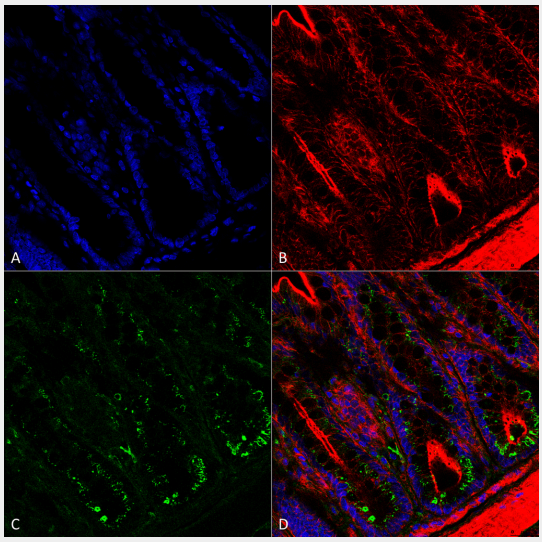
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

O-GalNAc Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-O-GalNAC Monoclonal Antibody, Clone 9B9 (ASM10331). Tissue: Embryonic kidney epithelial cell line (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 Alexa Fluor 633 F-Actin stain. (C) O-GalNAc Antibody (D) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.



Immunohistochemistry analysis using Mouse Anti-O-GalNAc Monoclonal Antibody, Clone 9B9 (ASM10331). Tissue: colon. Species: Mouse. Fixation: Formalin fixed, paraffin embedded. Primary Antibody: Mouse Anti-O-GalNAc Monoclonal Antibody (ASM10331) at 1:25 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse: Alexa Fluor 488. Counterstain: Actin-binding

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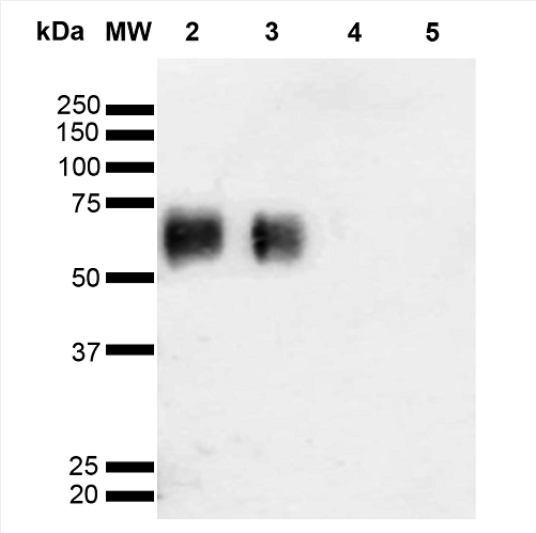
Phalloidin-Alexa Fluor 633; DAPI (blue) nuclear stain. Magnification: 63X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Alexa Fluor 633 F-Actin stain. (C) O-GalNAc Antibody (D) Composite.



Western Blot analysis of Glycoconjugates showing detection of 67 kDa O-GalNAC protein using Mouse Anti-O-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-O-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.