Mouse anti-All O-GalNAc Monoclonal Antibody | anti-O-GalNAc antibody

O-GalNAc Antibody, Clone 9B9: HRP

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103992	**Mouse**	**All**	**ELISA, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

O-GalNAc; Monoclonal Antibody; O-GalNAc Antibody; Clone 9B9: HRP; GalNAC Antibody; O-GalNAC Antibody; ?-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; anti-O-GalNAc antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	All
Clonality	Monoclonal
Isotype	IgM
Clone Number	9B9
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.
Purity/Purification	PEG Purified
Form/Format	73.64mM Carbonate, 54.55mM Ethanolamine, 45.45mM Cyanoborohydride, 18.18mM Sodium Hydroxide, 0.23mM Citrate
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-O-GalNAc antibody	ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Synthetic beta-O-Linked N-Acetylglucosamine conjugated to Keyhole Limpet Hemocyanin (KLH).
Research Areas	Cell Signaling, Glycation, Post-translational Modifications
Certificate of Analysis	A 1:1000 dilution was sufficient for detection of O-GlcNAc in 2 ug of O-GlcNAc conjugated to BSA by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody.
Preparation and Storage	Store at -4°C and aliquot for 1 year. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western Blot analysis of Glycoconjugates showing detection of 67 kDa O-GalNAC protein using Mouse Anti-O-GalNAC Monoclonal Antibody, Clone 9B9. 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 ug. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-O-GalNAC Monoclonal Antibody 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.



ICC (Immunocytochemistry)
Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-O-GalNAC Monoclonal Antibody, Clone 9B9. Tissue: Embryonic kidney epithelial cell line (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-O-GalNAC Monoclonal Antibody 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.

ADDITIONAL INFORMATION

Product Categories/Family for anti-O-GalNAc antibody	Antibodies; Cell Signaling; Post-translational Modifications; Glycation

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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