Mouse O-GlcNAc Monoclonal Antibody | anti-O-GlcNAc antibody

O-GlcNAc Antibody, Clone 9H6: FITC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103982	**Mouse**	**Species Independent**	**ELISA, Immunofluorescence, Immunocytochemistry, Western Blot**

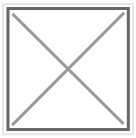
PRODUCT SYNONYMS

O-GlcNAc; Monoclonal Antibody; O-GlcNAc Antibody; Clone 9H6: FITC; Mouse Anti-beta-O-Linked N-Acetylglucosamine Monoclonal IgM; beta-O-Linked N-Acetylglucosamine Antibody; O-Linked N-Acetylglucosamine Antibody; Beta-O-Linked N-Acetylglucosamine Antibody; N-Acetylglucosamine Antibody; GlcNac 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; anti-O-GlcNAc antibody

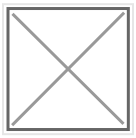
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Species Independent
Clonality	Monoclonal
Isotype	IgM
Clone Number	9H6
Specificity	Specific for beta-O-Linked N-Acetylglucosamine modified proteins. Does not cross-react with N-Acetylgalactosamine, Glucose, or Galactose modified proteins.
Purity/Purification	PEG Purified
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-O-GlcNAc antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Target	O-GlcNAc
Immunogen	Synthetic beta-O-Linked N-Acetylglucosamine conjugated to Keyhole Limpet Hemocyanin (KLH).
Conjugate	FITC
Storage Buffer	PBS pH 7.4, 50% glycerol, 0.09% Sodium Azide
Preparation and Storage	Store at -20 degree C.

IMAGES



WB (Western Blot)
Western Blot analysis of GlcNAc-BSA Conjugate showing detection of 67 kDa O-GlcNAc protein using Mouse Anti-O-GlcNAc Monoclonal Antibody, Clone 9H6. 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 ug. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-O-GlcNAc 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-GlcNAc Monoclonal Antibody, Clone 9H6. Tissue: Embryonic kidney epithelial cell line (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-O-GlcNAc 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-GlcNAc Antibody (D) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.

ADDITIONAL INFORMATION

Product Categories/Family for anti-O-GlcNAc 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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Online datasheet: https://stage.aaabiotech.com/monoclonal/o-glcnac-antibody-clone-9h6-immunofluorescence-immunocytochemistry-western-blot-elisa/103982