Product Datasheet

Nuclear Pore-O-Linked Glycoprotein Antibody (RL1) - BSA Free

NB600-1068

Unit Size: 100uL

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 2

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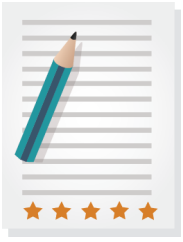
www.novusbio.com/NB600-1068

Updated 2/21/2025 v.20.1



NB600-1068

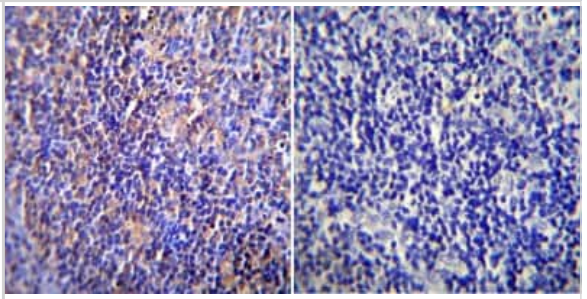
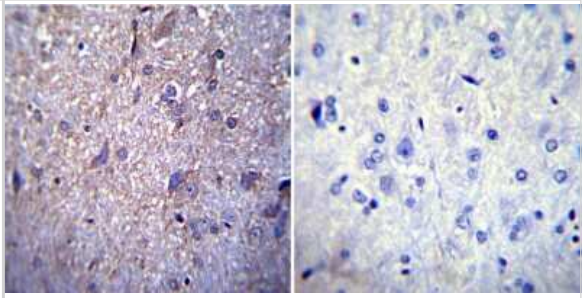
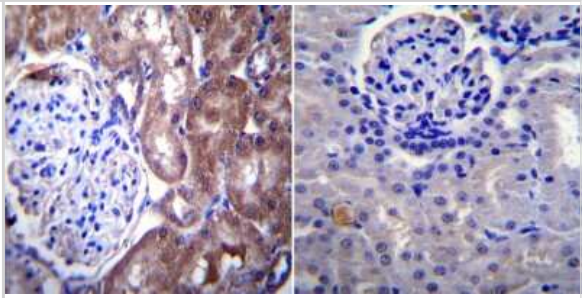
Nuclear Pore-O-Linked Glycoprotein Antibody (RL1) - BSA Free

Product Information	
Unit Size	100uL
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RL1
Preservative	0.05% Sodium Azide
Isotype	IgM
Purity	PEG purified
Buffer	PBS

Product Description	
Host	Mouse
Species	Human, Mouse, Rat, Mammal, Xenopus, Yeast
Reactivity Notes	Cross-reactivity with S. cerevisiae, Xenopus laevis and a wide variety of Mammals. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	Detects nuclear pore-O-linked glycoprotein
Immunogen	Pore complex-lamina fraction purified from rat liver nuclear envelopes.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:200, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10 - 1:500, Immunofluorescence 1:100
Application Notes	WB: Detects up to eight different proteins from the nuclear pore complex (NPC) of approx. 210, 180, 145, 100, 63, 58, 54 and 45 kDa. IF: Staining of NPC O-linked glycoproteins with this antibody results in exclusive labeling of the NPC proteins on a wide variety of mammalian cells as well as S. cerevisiae and Xenopus. Labeling occurs exclusively at the NPC with most of the labeling at the cytoplasmic and nucleoplasmic margins.This antibody, if microinjected inhibits both protein import and RNA export in Xenopus oocytes.

Images

Immunohistochemistry-Paraffin: Nuclear Pore-O-Linked Glycoprotein Antibody (RL1) [NB600-1068] - Immunohistochemistry was performed on normal biopsies of deparaffinized Rat lymph node tissue. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:200 with a mouse monoclonal antibody recognizing Nuclear Pore-O-Linked Glycoprotein or without primary antibody (negative control) overnight at 4C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Tissues were counterstained with hematoxylin and prepped for mounting.	
Immunohistochemistry-Paraffin: Nuclear Pore-O-Linked Glycoprotein Antibody (RL1) [NB600-1068] - Immunohistochemistry was performed on normal biopsies of deparaffinized Rat brain tissue. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:200 with a mouse monoclonal antibody recognizing Nuclear Pore-O-Linked Glycoprotein or without primary antibody (negative control) overnight at 4C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Tissues were counterstained with hematoxylin and prepped for mounting.	
Immunohistochemistry-Paraffin: Nuclear Pore-O-Linked Glycoprotein Antibody (RL1) [NB600-1068] - Immunohistochemistry was performed on normal biopsies of deparaffinized Rat kidney tissue. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:200 with a mouse monoclonal antibody recognizing Nuclear Pore-O-Linked Glycoprotein or without primary antibody (negative control) overnight at 4C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Tissues were counterstained with hematoxylin and prepped for mounting.	

Publications

Yi J, Manna A, Barr VA et al. madSTORM: a superresolution technique for large-scale multiplexing at single-molecule accuracy. Mol Biol Cell. 2016-11-07 [PMID: 27708141] (Human)

Details:
This citation used the Alexa Fluor 647 version of this antibody.

Babcock, H et al. Using Single-Particle Tracking to Study Nuclear Trafficking of Viral Genes. 87: 2749-2758. 2004-01-01 [PMID: 15454466]

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Products Related to NB600-1068

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-62224	Mouse IgM Isotype Control (PFR-03)

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