Product Datasheet

Rabbit IgG Isotype Control
NBP2-24891

Unit Size: 0.1 mg

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

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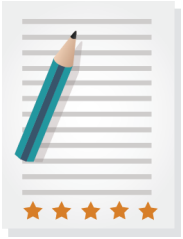
Updated 3/5/2025 v.20.1



NBP2-24891

Rabbit IgG Isotype Control

Product Information

Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS

Product Description

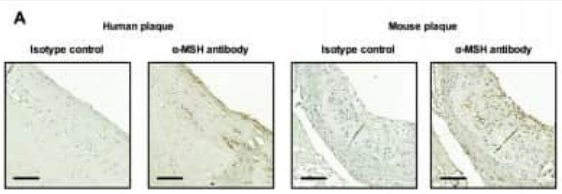
Description	This Rabbit IgG immunoglobulin is useful as an isotype control for Rabbit IgG antibody.
Host	Rabbit
Gene ID	3500
Gene Symbol	IGHG1
Species	Rabbit

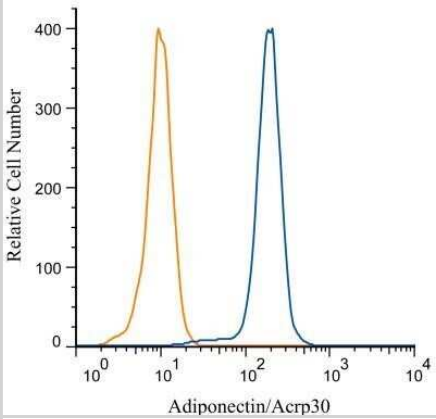
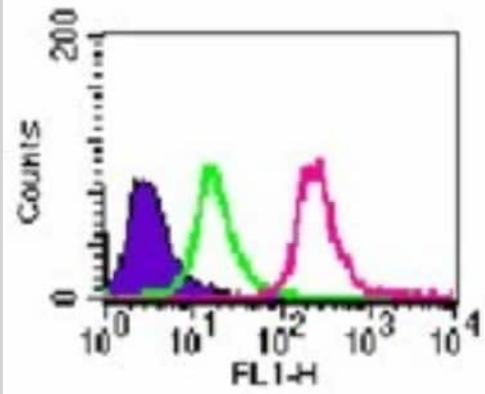
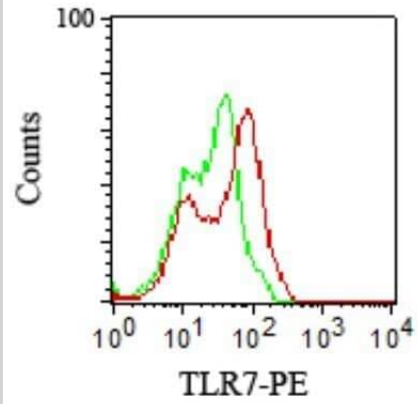
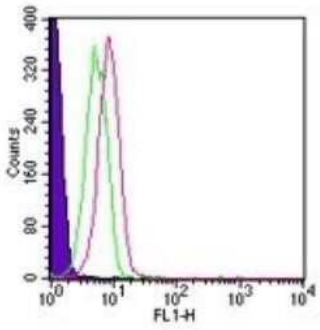
Product Application Details

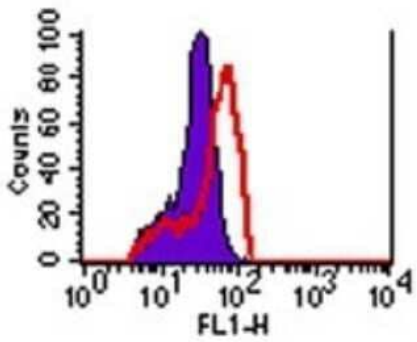
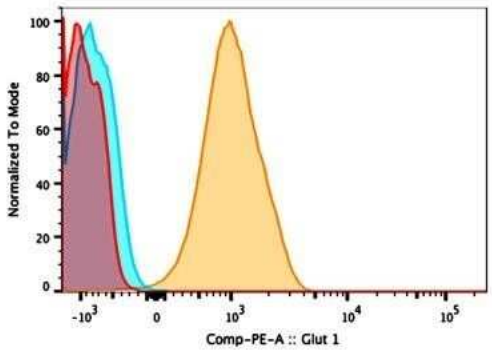
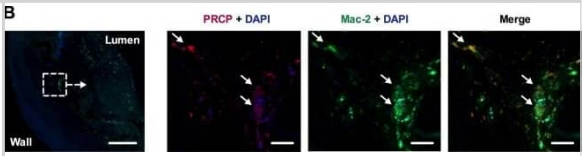
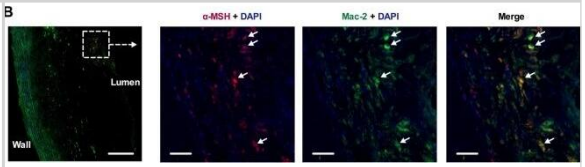
Applications	Chromatin Immunoprecipitation, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, In vitro assay, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Chromatin Immunoprecipitation 1:10-1:500. Use reported in scientific literature (PMID 23034403), Flow Cytometry 1:10 - 1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 32784470), Immunohistochemistry-Paraffin 1:10 - 1:500. Use reported in scientific literature (PMID 255994242), In vitro assay, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	Use the isotype control at the same concentration as the experimental antibody. Optimal dilution of this antibody should be experimentally determined. In vitro assay reported in multiple scientific literatures with the Azide free version (NBP2-24893)

Images

Immunohistochemistry: Rabbit IgG Isotype Control [NBP2-24891] - Controls for alpha-MSH immunohistochemistry and immunofluorescence. (A) Isotype controls for alpha-MSH were obtained by staining consecutive sections of human and mouse atherosclerotic plaques with alpha-MSH antibody or rabbit polyclonal isotype control antibody. Image collected and cropped by CiteAb from the following publication (https://www.nature.com/articles/s41598-018-33523-7) licensed under a CC-BY license.



Flow Cytometry: Rabbit IgG Isotype Control [NBP2-24891] - An intracellular stain was performed on Raji cells with Adiponectin antibody NB100-65810 (blue) and a matched isotype control NBP2-24893 (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by Dylight488-conjugated anti-rabbit secondary antibody. Image using the Azide Free form of this antibody.	
Flow Cytometry: Rabbit IgG Isotype Control [NBP2-24891] - Intracellular FACS analysis of mouse TLR6 polyclonal antibody (red), rabbit isotype control (green), RAW cells alone (shaded). Two micrograms of antibodies were used. Goat anti-rabbit FITC (Novus, 20302) was used as secondary.	
Flow Cytometry: Rabbit IgG Isotype Control [NBP2-24891] - PBMCs fixed and permeabilized using the Novus intracellular staining kit and stained with 1 ug of TLR7-PE conjugate (red) or rabbit IgG-PE conjugate isotype control (NBP2-24983, green). Image using the PE form of this antibody.	
Flow Cytometry: Rabbit IgG Isotype Control [NBP2-24891] - Intracellular analysis of TLR1 in human PBMCs (lymphocyte-gated) using this antibody. Shaded histogram represents cells alone, green represents isotype control , red represents TLR1 antibody. TLR intracellular flow kit was used for this test. Image using the Alexa Fluor 488 form of this antibody.	

Flow Cytometry: Rabbit IgG Isotype Control [NBP2-24891] - Analysis of TLR7 in Ramos cells using 2 ug of NBP2-24892. Shaded histogram represents FITC-conjugated rabbit IgG isotype control ; red represents anti-TLR7 antibody. Image using the FITC form of this antibody.	
Flow Cytometry: Rabbit IgG Isotype Control [NBP2-24891] - FLOW analysis of Mouse CD4+ T cells that were stimulated with anti-CD3/CD28 beads and insulin (1ug/mL) for 5 days in culture media with additional glucose provided. PE conjugated Glut1 antibody stained cells (NB110-39113PE, Orange) were included as positive control which were compared with Rb IgG PE, NBP2-24983 as Isotype Control (Blue) as well as with fluorescence minus one/FMO control (Red) [Image submitted by Verified Customer - see Review for Protocol Details]. Image using the PE form of this antibody.	
Immunocytochemistry/ Immunofluorescence: Rabbit IgG Isotype Control [NBP2-24891] - The expression & localization of PRCP in the human atherosclerotic plaque. (A) Immunohistochemical staining of PRCP (brown color) in a carotid endarterectomy sample. Scale bars, 500 µm (left) & 50 µm (right). (B) A consecutive section of the carotid sample was immunofluorescently stained for PRCP (red) & Mac-2 (green), & counterstained with DAPI. Cells that clearly express both PRCP & Mac-2 are indicated by white arrows. Scale bars, 500 µm (left) & 50 µm (right). Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/30305673), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	
Immunohistochemistry: Rabbit IgG Isotype Control [NBP2-24891] - α-melanocyte stimulating hormone (α-MSH) is expressed by plaque macrophages in human atheroma. (A) α-MSH immunostaining (brown color) of carotid endarterectomy sample. Scale bars, 200 µm (left) & 50 µm (right). (B) A consecutive section of the carotid sample was immunofluorescently stained for α-MSH (red) & Mac-2 (green), & counterstained with DAPI. Cells that clearly express both α-MSH & Mac-2 are indicated by white arrows. Scale bars, 200 µm (left) & 50 µm (right). Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/30305673), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Publications

Spencer SA, Suárez-Pozos E, Soto-Verdugo J, Wang H et Al. Lysophosphatidic acid signaling via LPA(6) : A negative modulator of developmental oligodendrocyte maturation J Neurochem 2022-09-25 [PMID: 36153691]

Yamamichi G, Kato T, Arakawa N et Al. GDF15 propeptide promotes bone metastasis of castration-resistant prostate cancer by augmenting the bone microenvironment Biomark Res 2024-11-25 [PMID: 39587633]

Wang R, Shi D, Pan X et Al. Epigenetic mechanisms of Nsd1-mediated histone methylation modifications in chondrocyte ferroptosis in knee osteoarthritis Biomol Biomed 2024-08-31 [PMID: 39217430]

Hernandez-Gonzalez F, Prats N, Ramponi V et Al. Human senescent fibroblasts trigger progressive lung fibrosis in mice Aging (Albany NY) 2023-08-07 [PMID: 37393107]

J Zhou, Z Wu, J Hu, D Yang, X Chen, Q Wang, J Liu, M Dou, W Peng, Y Wu, W Wang, C Xie, M Wang, Y Song, H Zeng, C Bai High-throughput single-EV liquid biopsy: Rapid, simultaneous, and multiplexed detection of nucleic acids, proteins, and their combinations Sci Adv, 2020-11-20;6(47):. 2020-11-20 [PMID: 33219024]

Montes de Oca R, Alavi AS, Vitali N et al. Belantamab Mafodotin (GSK2857916) Drives Immunogenic Cell Death and Immune-mediated Antitumor Responses In Vivo Molecular Cancer Therapeutics 2021-10-01 [PMID: 34253590] (Flow Cytometry)

Anne L. Rosen, Michael A. Lint, Dayne H. Voelker, Nicole M. Gilbert, Christopher P. Tomera, Jesús Santiago-Borges, Meghan A. Wallace, Thomas J. Hannan, Carey-Ann D. Burnham, Scott J. Hultgren, Andrew L. Kau, Matthew R. Chapman Secretory leukocyte protease inhibitor protects against severe urinary tract infection in mice mBio 2024-02-01 [PMID: 38270443]

Selim Chaib, José Alberto López-Domínguez, Marta Lalinde-Gutiérrez, Neus Prats, Ines Marin, Olga Boix, Andrea García-Garijo, Kathleen Meyer, María Isabel Muñoz, Mònica Aguilera, Lidia Mateo, Camille Stephan-Otto Attolini, Susana Llanos, Sandra Pérez-Ramos, Marta Escorihuela, Fatima Al-Shahrour, Timothy P. Cash, Tamara Tchkonia, James L. Kirkland, María Abad, Alena Gros, Joaquín Arribas, Manuel Serrano The efficacy of chemotherapy is limited by intratumoral senescent cells expressing PD-L2 Nature Cancer 2024-01-24 [PMID: 38267628]

Hirayama H, Sakumoto R, Koyama K et al. Expression of C-C motif chemokines and their receptors in bovine placentomes at spontaneous and induced parturition J. Reprod. Dev. 2020-02-14 [PMID: 31761882]

Ines Köhler, Cecilia Bivik Eding, Nada-Katarina Kasic, Deepti Verma, Charlotta Enerbäck NOS2-derived low levels of NO drive psoriasis pathogenesis Cell Death & Disease 2024-06-26 [PMID: 38926337]

Adamson Samantha E, Polanowska-Grabowska Renata, Marqueen Kathryn et al. Deficiency of Dab2 (Disabled Homolog 2) in Myeloid Cells Exacerbates Inflammation in Liver and Atherosclerotic Plaques in LDLR (Low-Density Lipoprotein Receptor)-Null Mice-Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology 2018-03-29 [PMID: 29599136]

Sahoo M, Singh R, Kumar P et al. Novel pathologic findings and viral antigen distribution in cattle and buffalo calves naturally infected with Foot-and-Mouth disease virus The veterinary quarterly 2023-12-01 [PMID: 37733477] (IHC, Bovine)

More publications at http://www.novusbio.com/NBP2-24891

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]

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