Product Datasheet

Rabbit IgG Isotype Control
NBP2-36463

Unit Size: 0.5 mg

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

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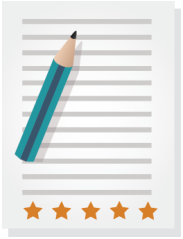
Updated 10/23/2024 v.20.1



NBP2-36463

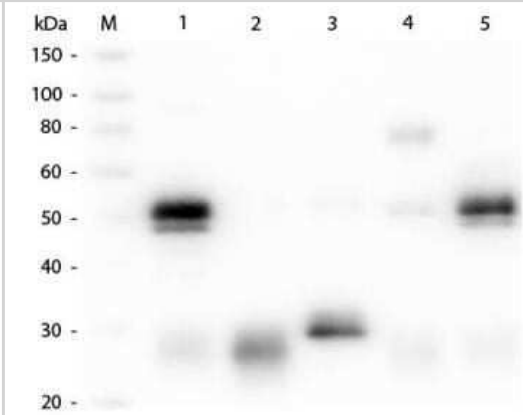
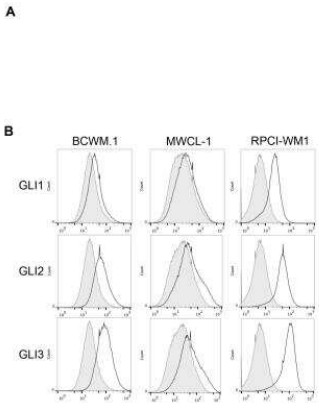
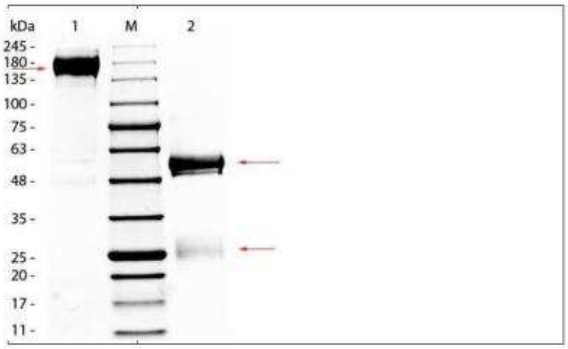
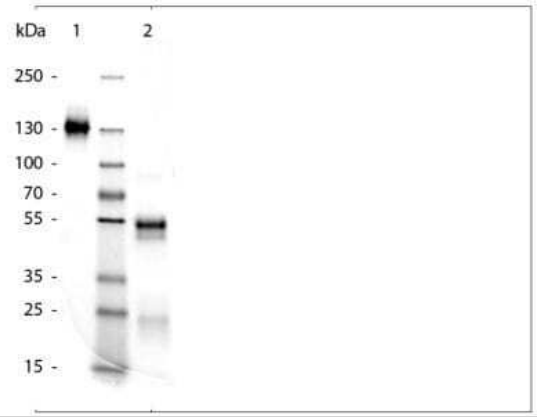
Rabbit IgG Isotype Control

Product Information	
Unit Size	0.5 mg
Concentration	Please contact technical services for concentration.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Multi-step
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

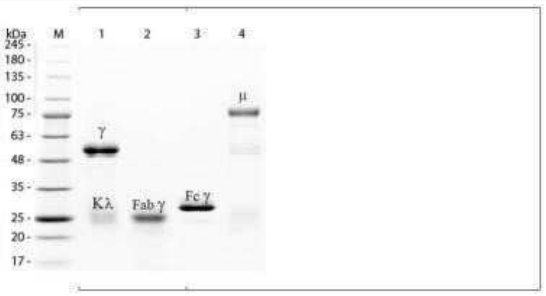
Product Description	
Description	This product was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG and anti-Rabbit Serum. Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.
Host	Rabbit
Gene ID	3500
Gene Symbol	IGHG1
Species	Rabbit

Product Application Details	
Applications	Western Blot, ELISA, Flow (Intracellular), Immunohistochemistry, SDS-Page, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, SDS-Page, Flow (Intracellular), Chromatin Immunoprecipitation (ChIP)
Application Notes	This product has been tested in SDS-Page and can be utilized as a control or standard reagent in Western Blotting and ELISA experiments. Use in ChIP reported in scientific literature (PMID:34335948).

Images

Western Blot: Rabbit IgG Isotype Control [NBP2-36463] - Lane M: 3 ul Molecular Ladder. Lane 1: Rabbit IgG whole molecule (NBP2-36463). Lane 2: Rabbit IgG F(ab) Fragment (NBP1-97016). Lane 3: Rabbit IgG F (c) Fragment (NBP1-96784). Lane 4: Rabbit IgM Whole Molecule (NBP1 -96968). Lane 5: Normal Rabbit Serum. All samples were reduced. Load: 50 ng per lane. Blocked in blocking buffer for 30 min at RT. Primary Antibody: Anti-Rabbit IgG (H&L) (GOAT) Antibody (Min X Bv, Ch, Gt, GP, Ham, Hs, Hu, Ms, Rt & Sh Serum Proteins. (NBP1-72732) 1:1,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in blocking buffer for 30 min at RT. Predicted/Observed Size: 25 and 50 kDa for Rabbit IgG and Serum, 25 kDa for F(c) and F(ab), 70 and 23 kDa for IgM. Rabbit F(c) migrates slightly higher.	
Flow (Intracellular): Rabbit IgG Isotype Control [NBP2-36463] - Intracellular staining for GLI1, GLI2 and GLI3 in untreated human B cell lines (BCWM.1, MWCL-1 and RPCI-WM1) using a secondary anti-rabbit IgG PE conjugated antibody. Image courtesy of Sherine Elsawa, Northern Illinois University.	
SDS-Page: Rabbit IgG Isotype Control [NBP2-36463] - Lane 1: Non-reduced Rabbit IgG Whole Molecule. Lane 2: 5uL OPAL Pre-stained Marker. Lane 3: Reduced Rabbit IgG Whole Molecule. Load: 1ug per lane. Predicted/Observed size: Non-reduced at 150-170 kDa , Reduced at 55, 25 kDa.	
SDS-Page: Rabbit IgG Isotype Control [NBP2-36463] - SDS-Page of Rabbit IgG. Lane 1: Rabbit IgG - Non-Reduced. Lane 2: Rabbit IgG - Reduced. Load: 1.0 ug per lane. Predicted/Observed Size: Non-reduced - 130 kDa, Reduced - 55 and 28 kDa for Rabbit IgG. Other Band(s): None.	

SDS-Page: Rabbit IgG Isotype Control [NBP2-36463] - Lane M: 3 uL Opal Prestained Marker. Lane 1: Reduced Rabbit IgG Whole Molecule. Lane 2: Reduced Rabbit IgG F(ab) Fragment. Lane 3: Reduced Rabbit IgG F(c) Fragment. Lane 4: Reduced Rabbit IgM Whole Molecule. Load: 1 ug for F(ab) and F(c); 1.2 ug for IgG and IgM. Predicted/Observed size: IgG at 50 and 25 kDa; F(c) at 25 kDa; F(ab) at 25 kDa; IgM at 70 and 23 kDa. Observed F(c) Fragment migrates slightly higher.



Publications

Oikawa K, Torne O, Sun D et al. Aqueous Humor TGF-?2 and Its Association With Intraocular Pressure in a Naturally Occurring Large Animal Model of Glaucoma Investigative ophthalmology & visual science 2023-07-03 [PMID: 37459065] (IHC)

Park S, Mossmann D, Chen Q Et al. Transcription factors TEAD2 and E2A globally repress acetyl-CoA synthesis to promote tumorigenesis Mol Cell 2022-11-18 [PMID: 36400009] (IP, Rabbit)

Details:
Citation using the Agarose version of this antibody.

Wang R, Nissen NN, Zhang Y Et al. Circulating Fatty Objects and Their Preferential Presence in Pancreatic Cancer Patient Blood Samples Front Physiol 2022-03-03 [PMID: 35237181]

Details:
Citation using the Biotin version of this antibody.

Hughes FM, Harper SN, NosE BD Et al. Specialized Pro-resolution Mediators in the bladder; Annexin-A1 normalizes inflammation and bladder dysfunction during bladder outlet obstruction American journal of physiology. Renal physiology 2021-08-16 [PMID: 34396790]

Baio J, Martinez AF, Bailey L, et al. Spaceflight Activates Protein Kinase C Alpha Signaling and Modifies the Developmental Stage of Human Neonatal Cardiovascular Progenitor Cells Stem Cells Dev 2018-01-12 [PMID: 29320953]

Wang J, Liu R, Wang Y Et Al. Repression of the miR-627-5p by histone deacetylase 3 contributes to hypoxia-induced hepatocellular carcinoma progression J Cancer 2021-08-02 [PMID: 34335948] (Chemotaxis)

Wang R, Godet I, Yang Y, et al. Hypoxia-inducible factor-dependent ADAM12 expression mediates breast cancer invasion and metastasis Proc Natl Acad Sci 2021-05-11 [PMID: 33952697] (WB)

Jackson DA, Smith TD, Amarsaikhan N et al. Modulation of the IL-6 Receptor alpha Underlies GLI2-Mediated Regulation of Ig Secretion in Waldenstrom Macroglobulinemia Cells. J Immunol 2015-09-15 [PMID: 26238488]

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Products Related to NBP2-36463

NBP1-99014-100ug	Recombinant Mouse IgG His Protein
NB200-540	Complement C3 Antibody (11H9) - BSA Free
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NBP2-29373-100Tests	Annexin V Apoptosis Kit [FITC]

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