Product Datasheet

Guinea Pig anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed)

NBP1-72763

Unit Size: 1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 13

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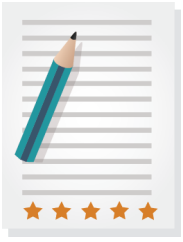
Updated 1/26/2025 v.20.1



NBP1-72763

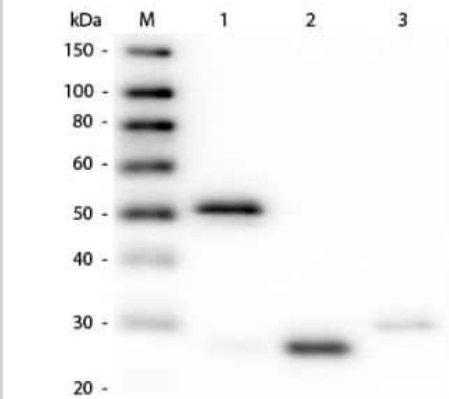
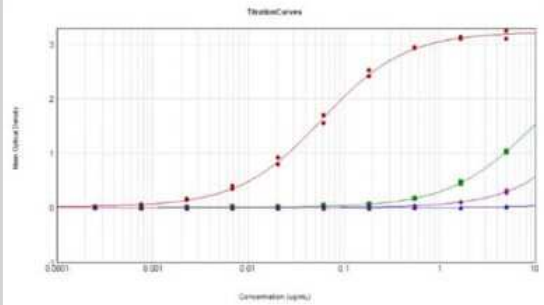
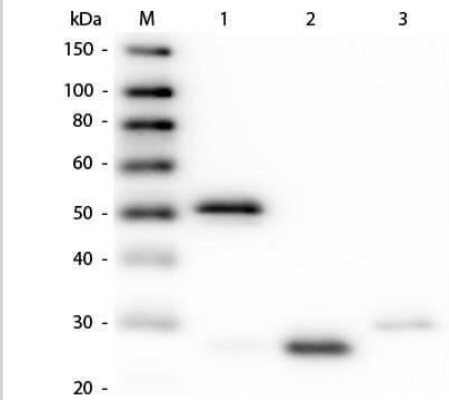
Guinea Pig anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed)

Product Information	
Unit Size	1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
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 monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Guinea Pig Serum, Rabbit IgG and Rabbit Serum Store vial at 4C prior to opening. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing.
Host	Guinea Pig
Species	Rabbit
Specificity/Sensitivity	This antibody was pre-adsorbed against Human, Goat, and Mouse Serum Proteins. No reaction was observed against Goat, Human and Mouse Serum Proteins.
Immunogen	Rabbit IgG whole molecule

Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000 - 1:10000, ELISA 1:20000 - 1:100000, Immunohistochemistry 1:1000 - 1:5000
Application Notes	This secondary antibody is suitable for use in ELISA, immunohistochemistry, and western blot. Specific conditions for reactivity should be optimized by the end user.

Images

Western Blot: Guinea Pig anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72763] - Western Blot of Guinea Porcine anti-Rabbit IgG (H+L) Secondary antibody (Pre-adsorbed). Lane M: 3 ul Molecular Ladder. Lane 1: Rabbit IgG whole molecule. Lane 2: Rabbit IgG F(ab) Fragment. Lane 3: Rabbit IgG F(c) Fragment. All samples were reduced. Load: 50 ng per lane. Block for 30 min at RT. Primary Antibody: Guinea Porcine anti-Rabbit IgG (H+L) Secondary antibody (Pre-adsorbed) 1:500 for 60 min at RT. Secondary antibody: Anti-Guinea Porcine IgG (GOAT) 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). Rabbit F(c) migrates slightly higher.	
ELISA: Guinea Pig anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72763] - ELISA Results of Purified Guinea Porcine Anti-Rabbit IgG mx3 Antibody tested against purified Rabbit IgG (Mx Human IgG, Goat IgG, Mouse IgG). Each well was coated in duplicate with 10 ug of Rabbit IgG [Red Line], Human IgG [Green Line], Goat IgG [Blue Line], Mouse IgG [Purple Line]. The working dilution is 1:17,000. The starting dilution of antibody was 5ug/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% Fish Gel/PBS Blocking buffer, Goat Anti-Guinea Porcine mx10 HRP conjugated and TMB substrate.	
Western Blot of Guinea Pig anti-Rabbit IgG (H+L) Secondary Antibody (Pre-adsorbed)	

Publications

Harrison Sudholz, Iona S Schuster, Momeneh Foroutan, Xavier Sng, Christopher E Andoniou, Anh Doan, Tania Camilleri, Zihan Shen, Colby Zaph, Mariapia A Degli-Esposti, Nicholas D Huntington, Sebastian Scheer DOT1L maintains NK cell phenotype and function for optimal tumor control. Cell reports 2024-07-01 [PMID: 38865244]

Hunold P, Hoehne M, Kiljan M et al. G-quadruplex DNA structures mediate non-autonomous instruction of breast tumour microenvironments bioRxiv 2023-01-19

Courret C, Hemmer L, Wei X et al. Rapid turnover of centromeric DNA reveals signatures of genetic conflict in Drosophila bioRxiv 2023-08-23 (ChIP)

Details:
1:100 ChIP dilution

Zhang B, Srivastava A, Mimitou E et al. Characterizing cellular heterogeneity in chromatin state with scCUT&Tag-pro Nature Biotechnology 2022-08-01 [PMID: 35332340]

Zhang Y, Zang Y, Chen J et al. A Truncated ETHYLENE INSENSITIVE3/EIN3-Like protein, GhLYI, Regulates Senescence in Cotton Plant physiology 2023-07-11 [PMID: 37430389]

Fuglerud BM, Drissler S, Lotto J et al. SOX9 reprograms endothelial cells by altering the chromatin landscape Nucleic acids research 2022-07-29 [PMID: 35904801]

Meijer M, Agirre E, Kabbe M et al. Epigenomic priming of immune genes implicates oligodendroglia in multiple sclerosis susceptibility Neuron 2022-01-28 [PMID: 35093191]

Sanches P Characterization of Cell-Type-Specific and Activity-Dependent Enhancers in Human Neuronal Populations and Their Impact on Neuropsychiatric Disorders Thesis 2021-01-01

O'Connell TJ, Dadafarin S, Jones M Et al. Androgen Activity Is Associated With PD-L1 Downregulation in Thyroid Cancer Frontiers in cell and developmental biology 2021-08-06 [PMID: 34422798]

Madsen JGS, Madsen MS, Rauch A, et al. Highly interconnected enhancer communities control lineage-determining genes in human mesenchymal stem cells Nat Genet 2020-10-06 [PMID: 33020665] (Chip Cytometry)

Bartosovic M, Kabbe M, Castelo-Branco G Single-cell CUT and Tag profiles histone modifications and transcription factors in complex tissues Nature biotechnology 2021-04-12 [PMID: 33846645]

Bartosovic M, Kabbe M, Castelo-Branco G et al. Single-cell profiling of histone modifications in the mouse brain bioRxiv 2020-09-02 (Chip Cytometry)

More publications at http://www.novusbio.com/NBP1-72763

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Limitations
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