

# Product Datasheet

## Donkey anti-Goat IgG (H+L) Secondary Antibody (Pre-adsorbed) NBP2-60657

Unit Size: 1 mg

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

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**NBP2-60657**

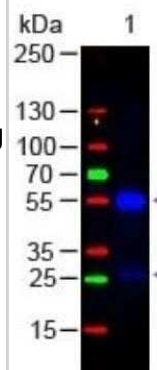
Donkey anti-Goat IgG (H+L) Secondary Antibody (Pre-adsorbed)

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	<p>This product was prepared from monospecific antiserum by immunoaffinity chromatography using Goat 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-Donkey Serum, Goat IgG and Goat Serum</p> <p>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.</p>
Host	Donkey
Species	Goat
Specificity/Sensitivity	<p>This antibody was pre-adsorbed against Chicken, Guinea Pig, Hamster, Horse, Mouse, Rabbit, and Rat Serum Proteins.</p> <p>No reaction was observed against Chicken, Guinea Pig, Hamster, Horse, Mouse, Rabbit or Rat Serum Proteins. Specificity was confirmed using ELISA minimal cross reactivity against the targets stated above.</p>
Immunogen	Goat IgG whole molecule
Product Application Details	
Applications	Western Blot, ELISA, Fluorophore-linked immunosorbent assay, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry, ELISA 1:20000 - 1:100000, Immunohistochemistry 1:200-1:1000, Immunocytochemistry/ Immunofluorescence, Fluorophore-linked immunosorbent assay
Application Notes	This product has been tested by ELISA and is suitable for western blot and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.

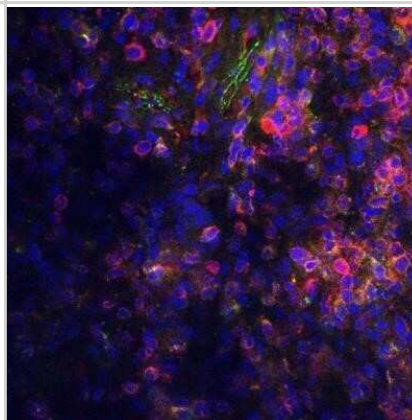


## Images

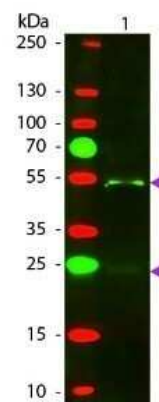
Western Blot: Donkey anti-Goat IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP2-60657] - Lane 1: Goat IgG Load: 50 ug per lane  
Secondary antibody: Goat IgG (H&L) Antibody DyLight (TM) 488 conjugated Pre-Adsorbed at 1:1,000 for 60 min at RT Block for 30 min at RT Predicted/Observed size: 55 and 28 kDa, 55 and 28 kDa Image using the DyLight 488 form of this antibody.



Immunocytochemistry/Immunofluorescence: Donkey anti-Goat IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP2-60657] - Image shows detection of PD-1 in mouse frozen tissue sections (salivary gland injected with human T cells) using DyLight™ 488 conjugated donkey anti-goat IgG (H+L) secondary antibody (green). Image from verified customer review. Image using the DyLight 488 form of this antibody.



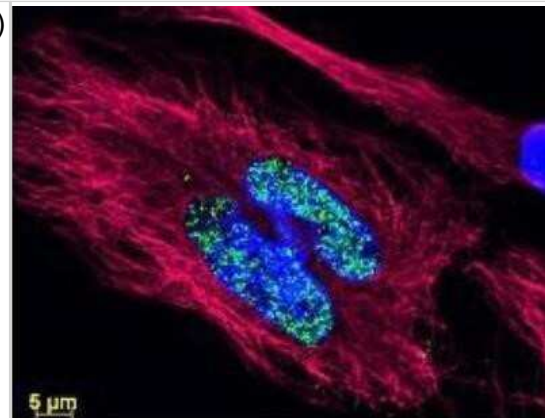
Western Blot: Donkey anti-Goat IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP2-60657] - Lane 1: Goat IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Texas Red donkey secondary antibody at 1:1,000 for 60 min at RT. Blocking: incubated with blocking buffer for 30 min at RT. Predicted/Observed size: 25 & 55 kDa, 25 & 55 kDa for Goat IgG. Other band(s): None. Image using the Texas Red form of this antibody.



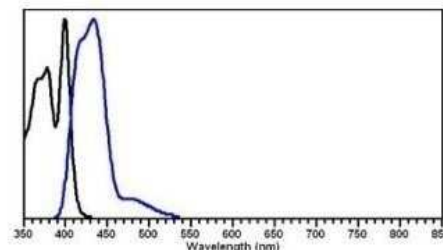
Western Blot: Donkey anti-Goat IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP2-60657] - Rabbit anti-Transferrin, Goat-anti-Alpha-1-Anti-Trypsin, and Mouse-a-GST. Detection shown was using DyLight549 Donkey anti-Rabbit IgG, DyLight 488 Donkey anti-Mouse IgG, and DyLight 649 Donkey anti-Goat IgG at 1:10000 (in blocking buffer min RT). Blots were washed, rinsed in methanol and dried. Image using the DyLight 649 form of this antibody.



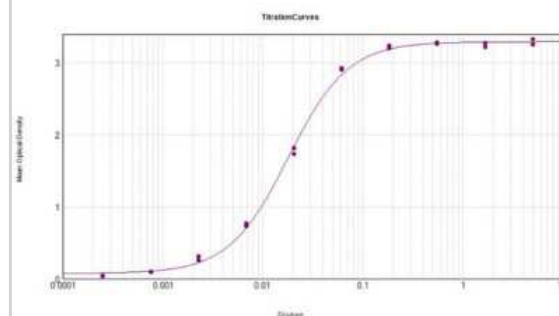
Immunocytochemistry/Immunofluorescence: Donkey anti-Goat IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP2-60657] - Image shows anti-Histone detection using a DyLight™ 488 conjugate (green). Anti-Tubulin was detected using a DyLight™ 549 conjugate (red). Nuclei were counter-stained using DAPI (blue). Image using the DyLight 488 form of this antibody.



Fluorophore-linked immunosorbent assay: Donkey anti-Goat IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP2-60657] - Using the DyLight 405 format of this antibody.



ELISA: Donkey anti-Goat IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP2-60657] - ELISA Results of Donkey anti-Goat IgG (H+L) Secondary antibody (Pre-adsorbed) tested against purified Goat IgG MX7. Each well was coated in duplicate with 1.0 ug of Goat IgG as well as Chicken IgG, Guinea Porcine IgG, Hamster IgG, Equine IgG, Mouse IgG, Rabbit IgG, and Rat IgG. The working dilution is 1:56,000. 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 HRP Conjugate Stabilizer, Goat Anti-Donkey IgG Mx7 HRP conjugated and TMB substrate.



## Publications

Schlotter F, de Freitas RCC, Rogers MA Et al. ApoC-III is a novel inducer of calcification in human aortic valves J Biol Chem 2020-12-18 [PMID: 33334888] (FLOW)

Details:

Citation using the PE version of this antibody.

Hamilton AM, Cheung WY, Gomez-Aristizabal A et al. Iron nanoparticle-labeled murine mesenchymal stromal cells in an osteoarthritic model persists and suggests anti-inflammatory mechanism of action PLoS One 2019-12-04 [PMID: 31794570] (IF/IHC, IF/IHC)

England CG, Jiang D, Ehlerding EB et al. (89)Zr-labeled nivolumab for imaging of T-cell infiltration in a humanized murine model of lung cancer Eur J Nucl Med Mol Imaging 2017-08-20 [PMID: 28821924] (IF/IHC)

Agarwal R, Liu G, Tam NW et al. Precision cell delivery in biphasic polymer systems enhances growth of keratinocytes in culture and promotes their attachment on acellular dermal matrices J Tissue Eng Regen Med 2019-02-28 [PMID: 30811860] (ICC/IF)

Mahadev V, Starr R, Wright SL et al. Cytokine Induction of VCAM-1 but Not IL13Ralpha2 on Glioma Cells: A Tale of Two Antibodies PLoS ONE 2014-05-05 [PMID: 24787244] (FLOW)

Details:

This reference used the PE version of NBP2-60657.

Nishimura T, Hatoya S, Kanegi R et al. Generation of Functional Platelets from Canine Induced Pluripotent Stem Cells Stem Cells Dev 2013-02-14 [PMID: 23409943]

Details:

This reference used the PE version of NBP2-60657.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Secondary Antibodies are guaranteed for 1 year from date of receipt.

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