

# Product Datasheet

## Donkey anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed) NBP1-72743

Unit Size: 1 mg

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

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**NBP1-72743**

Donkey anti-Rat 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 Rat 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, Rat IgG and Rat 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                     | Rat   |
| Specificity/Sensitivity     | <p>This antibody was pre-adsorbed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit, and Sheep Serum Proteins.</p> <p>No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit and Sheep Serum Proteins.</p>  |
| Immunogen                   | Rat IgG whole molecule  |
| Product Application Details |   |
| Applications                | Western Blot, ELISA, Immunohistochemistry   |
| Recommended Dilutions       | Western Blot 1:2000 - 1:10000, ELISA 1:60000 - 1:300000, Immunohistochemistry 1:1000 - 1:5000   |
| Application Notes           | This product has been tested in western blot and is suitable for use in ELISA, immunohistochemistry, and western blot. Specific conditions for reactivity should be optimized by the end user.  |



## Images

Western Blot: Donkey anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed) [NBP1-72743] - Western Blot of Donkey anti-Rat IgG (H+L) Secondary antibody (Pre-adsorbed). Lane M: 3 ul Molecular Ladder. Lane 1: Rat IgG whole molecule. Lane 2: Rat IgG F(c) Fragment. Lane 3: Rat IgG Fab Fragment. Lane 4: Rat IgM Whole Molecule. Lane 5: Rat Serum. All samples were reduced. Load: 50 ng per lane. Block for 30 min at RT. Primary Antibody: Donkey anti-Rat IgG (H+L) Secondary antibody (Pre-adsorbed) 1:10,000 for 60 min at RT. Secondary Antibody: Anti-Donkey IgG (GOAT) Peroxidase Conjugated Antibody 1:40,000 in blocking buffer for 30 min at RT. Predicted/Obsevered Size: 25 and 55 kDa for Rat IgG and Serum, 25 kDa for F(c) and Fab, 78 and 25 kDa for IgM. Rat F(c) migrates slightly higher.



## Publications

Certel SJ, McCabe BD, Stowers RS. Et al. A conditional GABAergic synaptic vesicle marker for Drosophila J Neurosci Methods 2022-02-27 [PMID: 35219770] (IF/IHC)

Details:

Citation using the Janelia Fluor 549 version of this antibody.

Ronkainen J, Huusko TJ, Soininen R et al. Fat mass- and obesity-associated gene Fto affects the dietary response in mouse white adipose tissue Sci Rep 2015-03-19 [PMID: 25782772] (WB)



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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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