

Datasheet for ABIN6699090

**Goat anti-Rabbit IgG Antibody (Cy3)****2** Images**10** Publications[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	IgG
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Cy3
Application:	Western Blotting (WB), Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM), Dot Blot (DB)

## Product Details

Purpose:	Rabbit IgG (H&L) Antibody CY3 Conjugated Pre-adsorbed
Immunogen:	Rabbit IgG whole molecule
Isotype:	IgG
Cross-Reactivity (Details):	Minimal crossreactivity against Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins
Characteristics:	goat anti-Rabbit IgG CY3 Conjugated antibody, goat anti-Rabbit IgG antibody CY3 conjugation, Anti-Rabbit IgG CY3 Conjugated Antibody generated in goat detects rabbit IgG.
Labeling Ratio:	10.1

## Target Details

Target:	IgG
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## Target Details

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Abstract: [IgG Products](#)

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Target Type: Antibody

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Background: Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75 % of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. This Anti-Rabbit IgG (H&L) is conjugated to Cy3.

## Application Details

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Application Notes: FLISA\_Dilution: 1:10,000 - 1:50,000  
Flow\_Cytometry\_Dilution: 1:500 - 1:2,500  
IF\_Microscopy\_Dilution: 1:1,000 - 1:5,000  
Western\_Blots\_Dilution: User Optimized

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Comment: Anti-Rabbit IgG (H&L) Antibody CY3 Conjugated Pre-adsorbed antibodies has been tested by dot blot and western blot and are designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.  
Suggested Applications: IF, IHC, Multiplex

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: Reconstitution Volume: 1.0 mL  
Reconstitution Buffer: Restore with deionized water (or equivalent)

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Concentration: 1.0 mg/mL

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Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum

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## Handling

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Albumin (BSA) - Immunoglobulin and Protease free, 0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store conjugated secondary antibody at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Conjugated Secondary Antibody is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: 12 months

## Publications

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Product cited in: Tao, Zhu, Diaz-Perez, Yu, Foley, Stewart, Casero, Steet, Zhai: "Phenylbutyrate modulates polyamine acetylase and ameliorates Snyder-Robinson syndrome in a Drosophila model and patient cells." in: **JCI insight**, Vol. 7, Issue 13, (2022) ([PubMed](#)).

Rubel, Boulanger, Craciun, Xu, Zhang, Phillips, Callahan, Weber, Song, Ngai, Bukanov, Shi, Hariri, Husson, Ibraghimov-Beskrovnaya, Liu, Gross: "Anti-microRNA-21 Therapy on Top of ACE Inhibition Delays Renal Failure in Alport Syndrome Mouse Models." in: **Cells**, Vol. 11, Issue 4, (2022) ([PubMed](#)).

Jurado Acosta, Rysä, Szabo, Moilanen, Serpi, Ruskoaho: "Phosphorylation of GATA4 at serine 105 is required for left ventricular remodelling process in angiotensin II-induced hypertension in rats." in: **Basic & clinical pharmacology & toxicology**, Vol. 127, Issue 3, pp. 178-195, (2021) ([PubMed](#)).

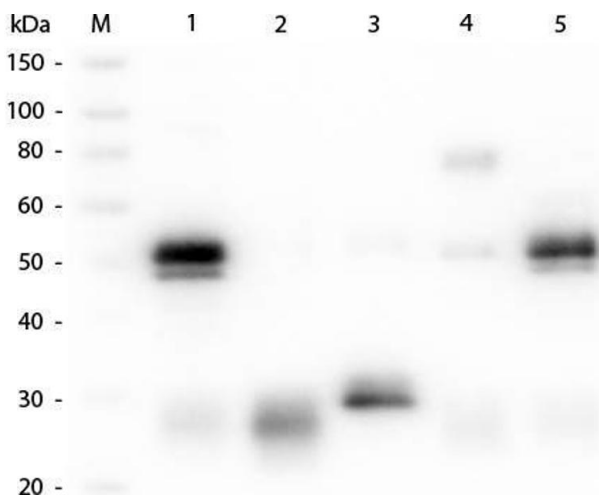
Ma, Zhu, Lu, Xie, Li, Shin, Qiang, Liu, Dou, Xiao, Wang, Jia, Long, Yang, Fang, Jiang, Zhang, Zhang, Zhai, Liu, Li: "Nicotinamide mononucleotide adenylyltransferase uses its NAD+ substrate-binding site to chaperone phosphorylated Tau." in: **eLife**, Vol. 9, (2021) ([PubMed](#)).

Rubel, Stock, Ciner, Hiller, Girgert, Müller, Gross: "Antifibrotic, nephroprotective effects of paricalcitol versus calcitriol on top of ACE-inhibitor therapy in the COL4A3 knockout mouse model for progressive renal fibrosis." in: **Nephrology, dialysis, transplantation : official**

publication of the **European Dialysis and Transplant Association - European Renal Association**, Vol. 29, Issue 5, pp. 1012-9, (2014) ([PubMed](#)).

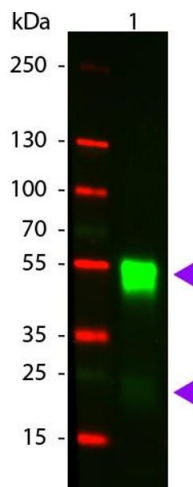
There are more publications referencing this product on: [Product page](#)

## Images



### Western Blotting

**Image 1.** Western Blot of Anti-Rabbit IgG (H&L) (GOAT) Antibody (Min X Bv, Ch, Gt, GP, Ham, Hs, Hu, Ms, Rt & Sh Serum Proteins). Lane M: 3  $\mu$ l Molecular Ladder. Lane 1: Rabbit IgG whole molecule. Lane 2: Rabbit IgG F(ab) Fragment. Lane 3: Rabbit IgG F(c) Fragment. Lane 4: Rabbit IgM Whole Molecule. Lane 5: Normal Rabbit Serum. All samples were reduced. Load: 50 ng per lane. Block: ABIN925618 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) 1:1,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in ABIN925618 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.



### Western Blotting

**Image 2.** WB - RABBIT IgG (H&L) Antibody CY3 Conjugated Pre-adsorbed Western Blot of Goat anti-Rabbit IgG Pre-Absorbed Cy3 Conjugated Secondary Antibody. Lane 1: Rabbit IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: Cy3 goat secondary antibody at 1:1,000 for 60 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 28 & 55 kDa, 28 & 55 kDa for Rabbit IgG. Other band(s): None.