

Datasheet for ABIN101945

**Donkey anti-Rabbit IgG (Heavy & Light Chain) Antibody (Biotin)  
- Preadsorbed**[Go to Product page](#)**1** Image**1** Publication

## Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Rabbit
Host:	Donkey
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

## Product Details

Immunogen:	Immunogen: Rabbit IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: Solid phase absorption

## Target Details

Target:	IgG
Abstract:	<a href="#">IgG Products</a>
Target Type:	Antibody

## Target Details

Background:	<p>Synonyms: Donkey anti-Rabbit IgG Biotin Conjugated Antibody, Donkey anti-Rabbit IgG Antibody Biotin Conjugation</p> <p>Background: Anti-Rabbit IgG (H&amp;L) Biotin Antibody generated in donkey detects reactivity to Rabbit IgG. 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 opsinization 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 the 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.</p>
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## Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 1:500 - 1:3000</p> <p>Application Note: Secondary antibody reagents are ideal for ELISA, western blotting, Immunohistochemistry, Fluorescence Microscopy, Flow Cytometry as well as other antibody detection methods.</p> <p>ELISA Dilution: 1:300,000</p> <p>Western Blot Dilution: 1:3,000 - 1:15,000</p>
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Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 1.0 mL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	2.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p> <p>Preservative: 0.01 % (w/v) Sodium Azide</p>
Preservative:	Sodium azide

## Handling

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

Handling Advice: Aliquot to Avoid repeated freezing and thawing.

Storage: RT, 4 °C, -20 °C

Expiry Date: 12 months

## Publications

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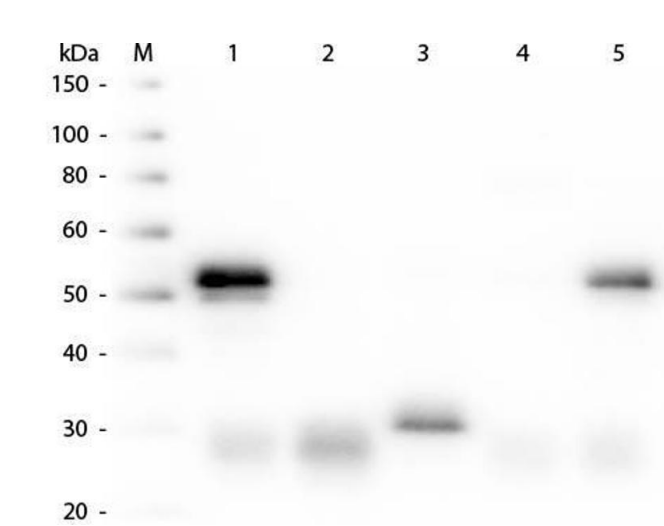
Product cited in: Cong, Gong, Yang, Xia, Zhang: "miR-22 Suppresses Tumor Invasion and Metastasis in Colorectal Cancer by Targeting NLRP3." in: **Cancer management and research**, Vol. 12, pp. 5419-5429, (2020) ([PubMed](#)).

Nuwer, Fleck: "Anterograde trafficking signals in GABAA subunits are required for functional expression." in: **Channels (Austin, Tex.)**, Vol. 13, Issue 1, pp. 440-454, (2020) ([PubMed](#)).

Agrawal, Lehtonen, Uusi-Mäkelä, Jain, Viitala, Määttä, Kähkönen, Azizi, Riihimäki, Kulomaa, Johnson, Hytönen, Airenne: "Molecular features of steroid-binding antidins and their use for assaying serum progesterone." in: **PLoS ONE**, Vol. 14, Issue 2, pp. e0212339, (2019) ([PubMed](#)).

Shrestha, Ahn, Staples, Sathyan, Karpova, Foltz, Basrai: "Mislocalization of centromeric histone H3 variant CENP-A contributes to chromosomal instability (CIN) in human cells." in: **Oncotarget**, Vol. 8, Issue 29, pp. 46781-46800, (2018) ([PubMed](#)).

Millonig, Ganzleben, Peccerella, Casanovas, Brodziak-Jarosz, Breitkopf-Heinlein, Dick, Seitz, Muckenthaler, Mueller: "Sustained submicromolar H2O2 levels induce hepcidin via signal transducer and activator of transcription 3 (STAT3)." in: **The Journal of biological chemistry**, Vol. 287, Issue 44, pp. 37472-82, (2013) ([PubMed](#)).



Western Blotting

**Image 1.** Western Blot of Anti-Rabbit IgG (H&L) (DONKEY) Antibody Peroxidase Conjugated . Lane M: 3 µl 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) (DONKEY) Antibody Peroxidase Conjugated 1:5,000 for 60 min at RT. Secondary antibody: None. Predicted/Obsevered 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.