Datasheet for ABIN101960

# Donkey anti-Rabbit IgG (Heavy & Light Chain) Antibody (TRITC) - Preadsorbed

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## Overview

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|---|---|
| Quantity: | 1 mg |
| Target: | IgG |
| Binding Specificity: | Heavy & Light Chain |
| Reactivity: | Rabbit |
| Host: | Donkey |
| Clonality: | Polyclonal |
| Conjugate: | TRITC |
| Application: | Flow Cytometry (FACS), FLISA, Fluorescence Microscopy (FM) |

## Product Details

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|---|---|
| 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 |
| Labeling Ratio: | 3.6 |

## Target Details

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|---|---|
| Target: | IgG |
| Abstract: | IgG Products |

## Target Details

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|---|---|
| Target Type: | Antibody |
| Background: | Synonyms: Donkey anti-Rabbit IgG Antibody Rhodamine Conjugation, Donkey anti-Rabbit IgG Rhodamine Conjugated Antibody<br>Background: Anti-Rabbit IgG (H&L) Rhodamine 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. |

## Application Details

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| Application Notes: | Application Note: Anti-Rabbit IgG (H&L) Rhodamine Antibody is 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.<br>FLISA Dilution: 1:10,000 - 1:50,000<br>Flow Cytometry Dilution: 1:500 - 1:2,500<br>IF Microscopy Dilution: 1:1,000 - 1:5,000 |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Lyophilized |
| Reconstitution: | Reconstitution Volume: 1.0 mL<br>Reconstitution Buffer: Restore with deionized water (or equivalent) |
| Concentration: | 1.0 mg/mL |
| Buffer: | Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2<br>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |

## Handling

| | |
|---|---|
| | Preservative: 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. |
| Handling Advice: | Product is photosensitive and should be protected from light. |
| Storage: | RT,4 °C,-20 °C |
| Expiry Date: | 12 months |

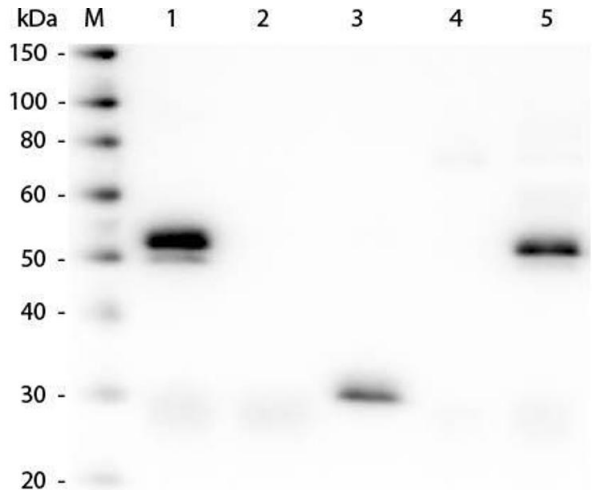
## Publications

Product cited in:

Piccolella, Crippa, Cristofani, Rusmini, Galbiati, Cicardi, Meroni, Ferri, Morelli, Carra, Messi, Poletti: "The small heat shock protein B8 (HSPB8) modulates proliferation and migration of breast cancer cells." in: **Oncotarget**, Vol. 8, Issue 6, pp. 10400-10415, (2018) (PubMed).

Nishimura, Hiramatsu, Monir, Takemoto, Watanabe: "Ultrastructural study on colocalization of glucagon-like peptide (GLP)-1 with GLP-2 in chicken intestinal L-cells." in: **The Journal of veterinary medical science**, Vol. 75, Issue 10, pp. 1335-9, (2014) (PubMed).

## Validation report #104174 for Cleavage Under Targets and Tagmentation (CUT&Tag)




### Western Blotting

**Image 1.** Western Blot of Anti-Rabbit IgG (H&L) (DONKEY) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins) . 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 of IgG, F(ab), F(c) and Serum, 25 ng of IgM. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG (H&L) (DONKEY) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins) 1:7,500 for 60 min at RT. Secondary antibody: Anti-Donkey IgG (GOAT) Peroxidase Conjugated Antibody 1:40,000 in ABIN925618

for 30 min at RT. 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.