Datasheet for ABIN6699115

# Goat anti-Rabbit IgG Antibody (DyLight 680) - Preadsorbed

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## Overview

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| Quantity: | 100 µg |
| Target: | IgG |
| Reactivity: | Rabbit |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | DyLight 680 |
| Application: | Western Blotting (WB), FLISA, Fluorescence Microscopy (FM), Dot Blot (DB) |

## Product Details

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| Purpose: | Rabbit IgG (H&L) Antibody DyLight™ 680 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 Antibody DyLight 680™ Conjugated, Goat Anti Rabbit IgG DyLight 680™ Conjugated Antibody,Anti-Rabbit IgG Antibody DyLight™680 generated in goat detects rabbit IgG. |
| Purification: | Preadsorption: Pre-Adsorbed |
| Labeling Ratio: | 2.8 |

## Target Details

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| Target: | IgG |
| Abstract: | IgG Products |
| Target Type: | Antibody |
| 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 DyLight™680. |

## Application Details

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| Application Notes: | FLISA_Dilution: >1:20,000<br>IF_Microscopy_Dilution: >1:5,000<br>Western_Blot_Dilution: >1:10,000<br>Other: User Optimized |
| Comment: | Anti-Rabbit IgG Antibody DyLight™680 has been tested by dot blot and 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. The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation.<br>Suggested Applications: FISH, Multiplex, WB |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Reconstitution Volume: 100 µL<br>Reconstitution Buffer: Restore with deionized water (or equivalent) |

## Handling

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| Concentration: | 1.0 mg/mL |
| Buffer: | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum 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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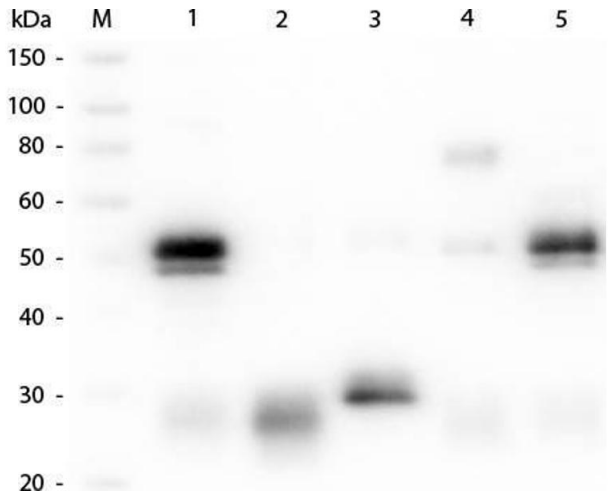
| Product cited in: | Bodor, Valente, Mata, Black, Jansen: "Assembly in G1 phase and long-term stability are unique intrinsic features of CENP-A nucleosomes." in: **Molecular biology of the cell**, Vol. 24, Issue 7, pp. 923-32, (2013) (PubMed).<br><br>Chacko, Liberante, Paul, Longley, Fennell: "Voltage dependent anion channel-1 regulates death receptor mediated apoptosis by enabling cleavage of caspase-8." in: **BMC cancer**, Vol. 10, pp. 380, (2011) (PubMed). |




## 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 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) (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/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.