

Datasheet for ABIN6699109

## Goat anti-Rabbit IgG Antibody (DyLight 649) - Preadsorbed



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### Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Conjugate:	DyLight 649
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

### Product Details

Purpose:	Rabbit IgG (H&L) Antibody DyLight™ 649 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™649 Conjugation, Goat anti-Rabbit IgG DyLight™ 649 Conjugated Antibody, Anti-Rabbit IgG (H&L) DyLight 649 Antibody generated in goat detects reactivity to Rabbit IgG.
Purification:	Preadsorption: Pre-Adsorbed
Labeling Ratio:	3.5

## Target Details

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

## Application Details

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Application Notes:	FLISA_Dilution: >1:10,000 IF_Microscopy_Dilution: >1:5,000 Other: User Optimized
Comment:	Anti-Rabbit IgG (H&L) DyLight 649 Antibody has been tested by western 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.
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1.0 mg/mL

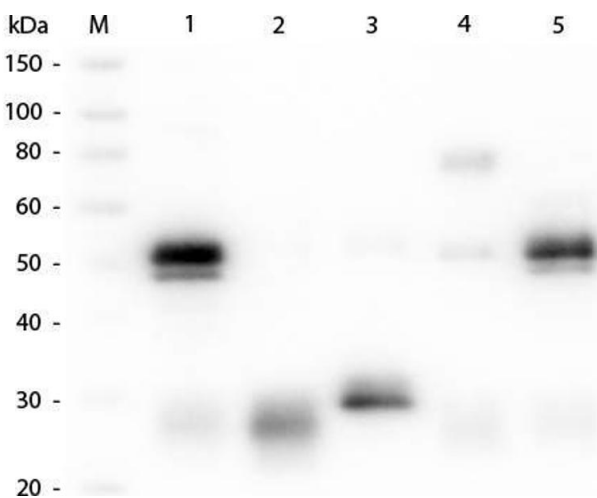
## Handling

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

Product cited in:	Takenaka, Inoue, Nakano, Ikeda, Kakinuma: "Prolonged disturbance of proteostasis induces cellular senescence via temporal mitochondrial dysfunction and subsequent mitochondrial accumulation in human fibroblasts." in: <b>The FEBS journal</b> , Vol. 289, Issue 6, pp. 1650-1667, (2022) ( <a href="#">PubMed</a> ).
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## 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 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/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.