

Datasheet for ABIN6699101

Donkey anti-Rabbit IgG Antibody (DyLight 488) - Preadsorbed[2 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IgG
Reactivity:	Rabbit
Host:	Donkey
Clonality:	Polyclonal
Conjugate:	DyLight 488
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Rabbit IgG whole molecule
Isotype:	IgG
Characteristics:	<p>Synonyms: Donkey Anti-Rabbit IgG Antibody DyLight 488™ Conjugated, Donkey Anti Rabbit IgG DyLight 488™ Conjugated Antibody</p> <p>Background: Anti-Rabbit IgG (H&L) DyLight 488 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.</p> <p>Secondary Antibodies are available in a variety of formats and conjugate types. When choosing</p>

Product Details

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.

Purification: Preadsorption: Solid phase absorption

Labeling Ratio: 4.7

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Application Details

Application Notes: Application Note: Anti-Rabbit IgG (H&L) DyLight 488 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. The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation.

FLISA Dilution: >1:20,000

Western Blot Dilution: >1:10,000

IF Microscopy Dilution: >1:5,000

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution Volume: 100 µL

Reconstitution Buffer: Restore with deionized water (or equivalent)

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

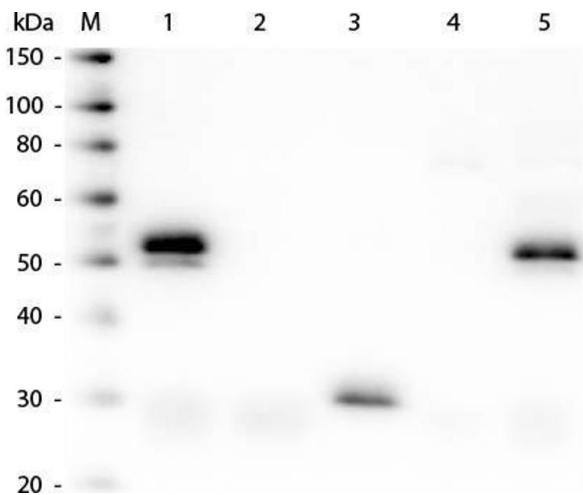
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vial 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. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Publications

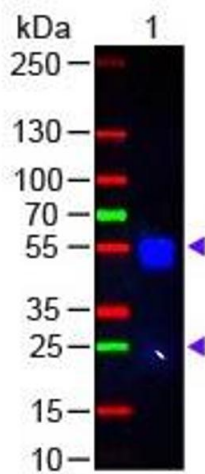
Product cited in:	Wang, Burton, Behringer, Larina: "In vivo micro-scale tomography of ciliary behavior in the mammalian oviduct." in: Scientific reports , Vol. 5, pp. 13216, (2016) (PubMed).
	Scoles, Pflieger, Thai, Hansen, Dansithong, Pulst: "ETS1 regulates the expression of ATXN2." in: Human molecular genetics , Vol. 21, Issue 23, pp. 5048-65, (2013) (PubMed).

Images



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/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. Western Blot Rabbit IgG (H&L) Antibody 488 Conjugated Pre-Adsorbed Western Blot of Donkey anti-Rabbit IgG (H&L) Antibody 488 Conjugated Pre-Adsorbed Lane 1: Rabbit IgG Load: 50 ng per lane Secondary antibody: Rabbit IgG (H&L) Antibody 488 Conjugated Pre-Adsorbed at 1:1,000 for 60 min at RT Block: ABIN925618 for 30 min at RT Predicted/Observed size: 55 and 28 kDa, 55 and 28 kDa