Datasheet for ABIN6699122

Donkey anti-Rabbit IgG (Heavy & Light Chain) Antibody (DyLight 800) - Preadsorbed

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Overview

Quantity:	100 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Rabbit
Host:	Donkey
Clonality:	Polyclonal
Conjugate:	DyLight 800
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Purpose:	Donkey Anti-Rabbit IgG Antibody DyLight 800™ Conjugated
Immunogen:	Immunogen: Rabbit IgG whole molecule
Isotype:	IgG
Characteristics:	Synonyms: Donkey Anti-Rabbit IgG Antibody DyLight 800™ Conjugated, Donkey Anti Rabbit IgG DyLight 800™ Conjugated Antibody Background: Anti-Rabbit IgG (H&L) DyLight 800 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,

Product Details

	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.
Purification:	Preadsorption: Solid phase absorption
Labeling Ratio:	2.7

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody

Application Details

Application Notes:	Application Note: Anti-Rabbit IgG (H&L) DyLight 800 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

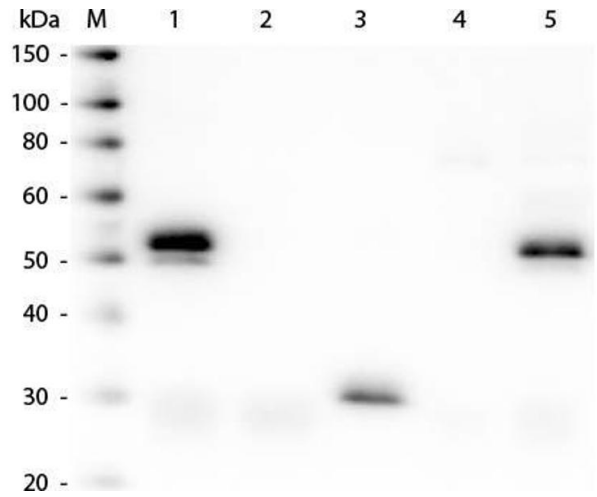
Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Handling

	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:	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:	Gopalan, Gibbon, Banks, Zhang, Florens, Washburn, Dabas, Sharma, Seidel, Conaway, Conaway: "Schizosaccharomyces pombe Pol II transcription elongation factor ELL functions as part of a rudimentary super elongation complex." in: **Nucleic acids research**, Vol. 46, Issue 19, pp. 10095-10105, (2019) (PubMed). Ay, Luo, Langley, Jin, Anantharam, Kanthasamy, Kanthasamy et al.: "Molecular mechanisms underlying protective effects of quercetin against mitochondrial dysfunction and progressive dopaminergic neurodegeneration in cell culture and MitoPark transgenic mouse models ..." in: **Journal of neurochemistry**, Vol. 141, Issue 5, pp. 766-782, (2017) (PubMed).



Western Blotting

Image 1. Western Blot of Unconjugated 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.