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Goat anti-Rabbit IgG (Fc Region) Antibody (DyLight 680) - Preadsorbed



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Publication

Overview

Quantity:	100 μg
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Conjugate:	DyLight 680
Application:	Western Blotting (WB), FLISA, Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: Rabbit IgG F(c) fragment
Isotype:	IgG
Characteristics:	Synonyms: Goat Anti Rabbit IgG F(c) DyLight 680™ Conjugated Antibody, Goat Anti-Rabbit IgG
	Fc Fragment Antibody DyLight 680™ conjugation, Goat Anti Rabbit IgG Fc Antibody DyLight
	680™ conjugated
	Background: Anti-Rabbit IgG F(c) DyLight generated in goat is a proteolytic fragment of
	immunoglobulin G (IgG) obtained by limited digestion with the enzyme papain under controlled
	conditions of temperature, time and pH . Receptors bind the Fc portion of rabbit IgG and often
	this fragment is removed from immunoglobulins to minimize receptor binding and lower
	background reactivity.
Purification:	Preadsorption: Solid phase absorption

Product Details	
Labeling Ratio:	2.8
Target Details	
Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Application Details	
Application Notes:	Application Note: The emission spectra for this DyLight™ conjugate match the principle output wavelengths of most common fluorescence instrumentation. This product 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. 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
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

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

Storage Comment:

Handling

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:

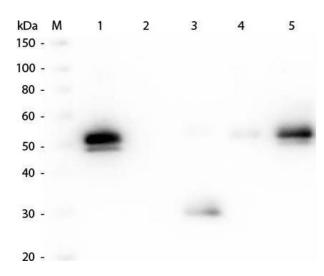
12 months

Publications

Product cited in:

Meese, Cepeda, Gahlen, Adams, Ficner, Ricci, Heller, Reisinger, Herget: "Activity-Dependent Phosphorylation by CaMKIIδ Alters the Ca2+ Affinity of the Multi-C2-Domain Protein Otoferlin." in: **Frontiers in synaptic neuroscience**, Vol. 9, pp. 13, (2017) (PubMed).

Images



Western Blotting

Image 1. Western Blot of Anti-Rabbit IgG F(c) (GOAT) Antibody. 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), IgM and Serum, 100 ng of F(c). Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG F(c) (GOAT) Antibody 1:2,000 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.