Datasheet for ABIN101983

Goat anti-Rabbit IgG (Heavy & Light Chain) Antibody - Preadsorbed

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Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Fluorescence Microscopy (FM), Immunoprecipitation (IP), Lateral Flow (LF)

Product Details

Immunogen:	Immunogen: Anti-Rabbit IgG (H&L) was produced by repeated immunization with rabbit whole IgG molecule in goat. Immunogen Type: Native Protein
Isotype:	IgG
Specificity:	IgG F(c)
Cross-Reactivity:	Rabbit
Characteristics:	Anti-Rabbit IgG antibody generated in goat detects specifically rabbit IgG. This secondary antibody anti-Rabbit is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays. Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: immunoaffinity chromatography using Rabbit IgG coupled to agarose beads

Product Details

Sterility:	Sterile filtered

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Synonyms: goat anti-Rabbit IgG Antibody Background: Anti-Rabbit IgG (H&L) Antibody generated in goat 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 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.

Application Details

Application Notes:	Immunohistochemistry Dilution: 1:500 - 1:2,500 Application Note: Anti-Rabbit IgG (H&L) is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user Immunoprecipitation Dilution: Yes ELISA Dilution: 1:10,000 - 1:60,000 Western Blot Dilution: 1:1,000 - 1:5,000 IF Microscopy Dilution: Yes
Restrictions:	For Research Use only

Handling

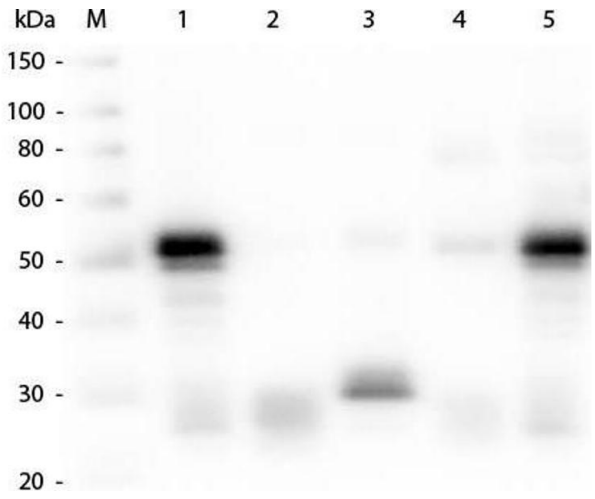
Format:	Liquid

Handling

Concentration:	2.1 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Preservative: 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
Expiry Date:	12 months

Publications

Product cited in:	Li, Wu, Yang, Liu, Chen: "Sesquiterpene lactone 6-O-angeloylplenolin reverses vincristine resistance by inhibiting YB-1 nuclear translocation in colon carcinoma cells." in: **Oncology letters**, Vol. 15, Issue 6, pp. 9673-9680, (2018) (PubMed). Skytt, Toft-Kehler, Brændstrup, Cejvanovic, Gurubaran, Bergersen, Kolko: "Glia-Neuron Interactions in the Retina Can Be Studied in Cocultures of Müller Cells and Retinal Ganglion Cells." in: **BioMed research international**, Vol. 2016, pp. 1087647, (2017) (PubMed). Stephen, Higgs, Sheehan, Al Awabdh, López-Doménech, Arancibia-Carcamo, Kittler: "Miro1 Regulates Activity-Driven Positioning of Mitochondria within Astrocytic Processes Apposed to Synapses to Regulate Intracellular Calcium Signaling." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 35, Issue 48, pp. 15996-6011, (2015) (PubMed).



Western Blotting

Image 1. Western Blot of Anti-Rabbit IgG (H&L) (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 per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG (H&L) (GOAT) Antibody 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.

