

Datasheet for ABIN101986

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

[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	2 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Rabbit
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

#### Product Details

Immunogen:	Immunogen: Anti-Rabbit IgG whole molecule was produced by repeated immunization with Rabbit IgG whole molecule in goat. Immunogen Type: Native Protein
Isotype:	IgG
Specificity:	IgG (H&L)
Cross-Reactivity:	Rabbit
Characteristics:	Anti-Rabbit IgG whole molecule antibody generated in goat detects specifically Rabbit IgG whole molecule. 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

## Product Details

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Purification: Preadsorption: Solid phase absorption

## Target Details

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Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: Goat anti-Rabbit IgG Antibody Biotin Conjugation, Goat anti-Rabbit IgG Biotin Conjugated Antibody

Background: Anti-Rabbit IgG (H&L) Biotin 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 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. 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

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Application Notes: Immunohistochemistry Dilution: 1:1,000 - 1:5,000

Application Note: Anti-Rabbit IgG whole molecule is suitable for use in immunoelectrophoresis, IHC, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.

ELISA Dilution: 1:50,000 - 1:200,000

Western Blot Dilution: 1:5,000 - 1:20,000

Restrictions: For Research Use only

## Handling

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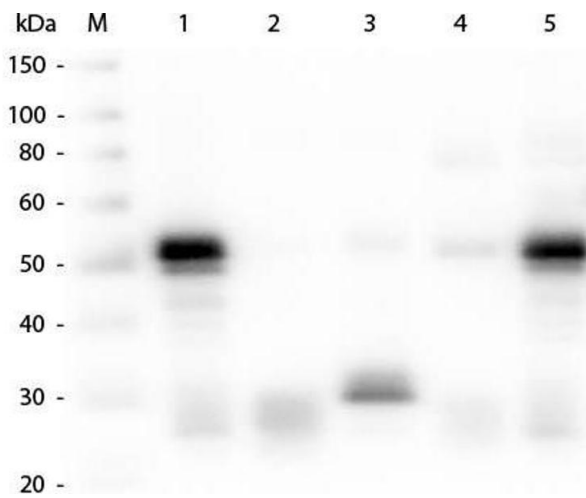
Format: Lyophilized

Reconstitution: Reconstitution Volume: 1.0 mL

## Handling

	Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	2.0 mg/mL
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 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.
Handling Advice:	Aliquot to Avoid repeated freezing and thawing.
Storage:	RT, 4 °C, -20 °C
Expiry Date:	12 months

## Images



### 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/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.