

Datasheet for ABIN101296

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



[Go to Product page](#)

### Overview

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

### Product Details

Immunogen:	Immunogen: Guinea Pig IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	<p>Anti-Guinea Pig IgG whole molecule antibody generated in rabbit detects specifically Guinea Pig IgG whole molecule. This secondary antibody anti-Guinea Pig IgG is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays. Anti-Guinea Pig IgG Antibody is ideal for investigators in Cancer, Immunology, and Microbiology research.</p> <p>Concentration Definition: by UV absorbance at 280 nm</p>
Purification:	Preadsorption: Solid phase absorption

## Target Details

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Target:	IgG
Abstract:	<a href="#">IgG Products</a>
Target Type:	Antibody
Background:	<p>Synonyms: rabbit Anti-Guinea Pig IgG Antibody biotin Conjugation, rabbit Anti-Guinea Pig IgG biotin Conjugated antibody</p> <p>Background: Anti-Guinea Pig IgG Biotin Antibody generated in rabbit detects guinea pig 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 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. Anti-Guinea Pig IgG Anitbody is ideal for investigators in Cancer, Immunology, and Microbiology research.</p>

## Application Details

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Application Notes:	<p>Immunohistochemistry Dilution: 1:1,000 - 1:5,000</p> <p>Application Note: Anti-Guinea Pig IgG Antibody has been assayed against 1.0 µg of Guinea Pig IgG in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:15,000 to 1:60,000 of the reconstitution concentration is suggested for Anti-Guinea Pig IgG Antibody.</p> <p>ELISA Dilution: 1240,000</p> <p>Western Blot Dilution: 1:2,000 - 1:10,000</p>
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 1.0 mL

## Handling

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Reconstitution Buffer: Restore with deionized water (or equivalent)

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Concentration: 2.0 mg/mL

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Buffer: 0.01 M Sodium 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

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling Advice: Aliquot to Avoid repeated freezing and thawing.

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Storage: RT, 4 °C, -20 °C

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Expiry Date: 12 months