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Datasheet for ABIN101125

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

### Overview

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

### Product Details

Immunogen:	Immunogen: Donkey IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Cross-Reactivity:	Donkey
Characteristics:	<p>Donkey IgG (H&amp;L) antibody recognizes the heavy and light chains of the Donkey IgG molecule. Anti-Donkey IgG antibody is ideal for investigators involved in serum component protein research.</p> <p>Concentration Definition: by UV absorbance at 280 nm</p>
Purification:	Anti-Donkey IgG (H&L) was prepared from monospecific antiserum by immunoaffinity chromatography using Donkey IgG coupled to agarose. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Goat Serum, Donkey IgG and Donkey

## Product Details

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Serum.

## Target Details

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Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: goat anti-Donkey IgG Antibody biotin conjugation, goat anti-Donkey IgG biotin conjugated Antibody

Background: Anti-Donkey IgG Biotin Antibody generated in goat detects donkey 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. Anti-Donkey IgG antibody is ideal for investigators involved in serum component protein research.

## Application Details

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

Application Note: Anti-Donkey IgG (H&L) has been assayed against 1.0 µg of Donkey IgG in a standard capture ELISA using Peroxidase Conjugated Streptavidin and ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:40,000 to 1:160,000 of the reconstitution concentration is suggested for this product. Specific conditions for reactivity should be optimized by the end user.

ELISA Dilution: 1:20,000 - 1:100,000

Western Blot Dilution: 1:2,000 - 1:10,000

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitution Volume: 1.0 mL

Reconstitution Buffer: Restore with deionized water (or equivalent)

## Handling

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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