Datasheet for ABIN101886

# Rabbit anti-Pig 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: | Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | Biotin |
| Application: | ELISA, Immunohistochemistry (IHC), Western Blotting (WB) |

## Product Details

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|---|---|
| Immunogen: | Immunogen: Swine IgG whole molecule |
| Isotype: | IgG |
| Specificity: | IgG (H&L) |
| Characteristics: | Concentration Definition: by UV absorbance at 280 nm |
| Purification: | Preadsorption: Solid phase absorption |

## Target Details

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|---|---|
| Target: | IgG |
| Abstract: | IgG Products |
| Target Type: | Antibody |

 

## Target Details

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|---|---|
| Background: | Synonyms: Rabbit Anti Swine IgG Biotin Conjugated Antibody, Rabbit Anti-Swine IgG Biotin Conjugated Antibody, Rabbit Anti-Swine IgG Antibody Biotin Conjugation<br>Background: Anti-Swine IgG (H&L) generated in rabbit detects swine Immunoglobulin G. Both the Heavy and Light chains of the antibody molecule are present. Representing approximately 75 % of serum immunoglobulins, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. 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. This Anti-Swine IgG is conjugated to biotin. |

## Application Details

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| Application Notes: | Immunohistochemistry Dilution: 1:1,000 - 1:5,000<br>Application Note: This product has been assayed against 1.0 µg of Swine 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 1:20,000 to 1:100,000 of the reconstitution concentration is suggested for this product.<br>ELISA Dilution: 1:20,000 - 1:100,000<br>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<br>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<br>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free<br>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

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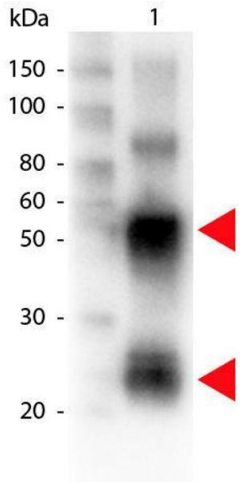
|---|---|
| Handling Advice: | Aliquot to Avoid repeated freezing and thawing. |
| Storage: | RT,4 °C,-20 °C |
| Expiry Date: | 12 months |

## Validation report #104174 for Cleavage Under Targets and Tagmentation (CUT&Tag)




**Western Blotting**

**Image 1.** Western Blot of Biotin conjugated Rabbit anti-Swine antibody. Lane 1: Swine IgG. Lane 2: none. Load: 100 ng per lane. Primary antibody: Biotin conjugated swine antibody at 1:1,000 for overnight at 4°C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 55 and 28 kDa for Swine IgG. Other band(s): none.