

## Donkey IgG anti-Rabbit IgG (H+L)-HRPO, MinX Bo,Ck,Go,Gp,Hm,Ho,Hu,Ms,Rt,Sh

### General Information

<b>Catalog Number:</b>	SEC-183425	<b>Physical State:</b>	Lyophilized
<b>Quantity:</b>	1 mg	<b>Reconstitution Volume:</b>	1.0 mL
		<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)
		<b>Shipping Conditions:</b>	at room temperature
		<b>Product Expiration</b>	Expiration date is one (1) year from date of opening.

### Antibody Host / Format

<b>Host Species:</b>	Donkey	<b>Clonality / Isotype / Clone:</b>	polyclonal Ig
<b>Antibody Format:</b>	IgG whole molecule	<b>Concentration:</b>	1.0 mg/mL by UV absorbance at 280 nm
		<b>Conjugation:</b>	Horseradish Peroxidase (HRP)
		<b>Maximum Excitation / Emission:</b>	/

### Specificity

<b>Target Species:</b>	Rabbit	<b>Immunogen:</b>	Anti-Rabbit IgG (H&L) was produced by repeated immunization with rabbit whole IgG molecule in donkey.
<b>Antibody Specificity:</b>	IgG (H+L)		<p>This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Donkey Serum, Rabbit IgG and Rabbit Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rat and Sheep Serum Proteins.</p> <p><b>Minimal Cross Reactivity:</b> Bovine, Chicken, Goat, Guinea Pig, Hamster generally, Horse, Human, Mouse, Rat, Sheep</p>

### Formulation, Transport and Storage

<b>Storage Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2	<b>Preservatives:</b>	0.01% (w/v) Gentamicin Sulfate
<b>Stabilizer:</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free		Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

This product is for In Vitro experimental use only. Not for Therapeutic or Diagnostic use.

#### Manufacturer

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Management System  
ISO 9001:2015  
[www.tuv.com](http://www.tuv.com)  
ID 9000019771



**Storage Temperature:** 4-8°C

## Application Recommendation

**Application:** ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections), Immunohistochemistry (frozen sections), Western Blot

**Dilution:** ELISA 1:10.000 - 1:100.000, Immunohistochemistry (IHC) 1:500 - 1:2,500, Western Blot (WB) 1:1.000 - 1:5.000

## Application Note:

Anti-Rabbit IgG peroxidase conjugated antibody is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency.

## Background Information

Anti-Rabbit IgG (H&L) peroxidase Antibody generated in donkey 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 complement 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.

## Safety Information

This reagent contains Gentamicin Sulfate (a poisonous and hazardous substance) as preservative. Although this concentration is not regarded as dangerous to health, appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. Standard Laboratory Practices should be followed when handling this material. DO NOT ADD SODIUM AZIDE! Use of Sodium Azide as a preservative will substantially inhibit the enzyme activity of horseradish peroxidase!

## Disclaimer

This product is warranted to perform in conformance with product specifications and to be free from defects in material and workmanship. Products are supplied for research use only. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated, this warranty is limited to one year from date of shipment when the product is subjected to normal, proper and intended usage. Buyer's exclusive remedy for non-conforming products during the warranty period is limited to replacement of or refund for the non-conforming product(s). There is no obligation to replace products as the result of accident or disaster or inappropriate use of the products in a manner for which they were not designed, or improper storage and handling of the products.

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