

## Product Datasheet

# Rat IgG (H&L) Antibody Peroxidase Conjugated Pre-Adsorbed (orb347790)

<b>Catalog Number</b>	orb347790
<b>Category</b>	Antibodies
<b>Description</b>	Rat IgG (H&L) antibody (Peroxidase)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Goat
<b>Isotype</b>	IgG
<b>Conjugation</b>	HRP
<b>Reactivity</b>	Rat
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	1.0 mg/mL
<b>Buffer/Preservatives</b>	Preservative: 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!. Stabilizer: 10 mg/mL Bovine Serum Albumin (rAlbumin) - Immunoglobulin and Protease free; Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Purity</b>	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat 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-Goat Serum, Rat IgG and Rat Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit and Sheep Serum Proteins.

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<b>Immunogen</b>	Anti-Rat IgG whole molecule was produced by repeated immunization with Rat IgG whole molecule in goat.
<b>Tested applications</b>	ELISA, IHC, WB
<b>Dilution range</b>	ELISA: 1:70,000, IHC: 1:500 - 1:1,500, WB: 1:2,000 - 1:10,000
<b>Application notes</b>	Anti-Rat IgG Peroxidase Conjugated Antibody has been tested by ELISA and western blot and 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.
<b>Antibody Type</b>	Secondary Antibody
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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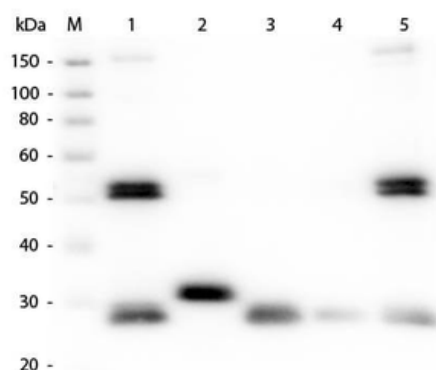
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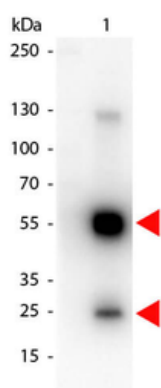
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Western Blot of Anti-Rat IgG (H&L) (GOAT) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rb & Sh Serum Proteins) (p/n orb347785). Lane M: 3  $\mu$ l Molecular Ladder. Lane 1: Rat IgG whole molecule (p/n orb2652744). Lane 2: Rat IgG F(c) Fragment (p/n orb346338). Lane 3: Rat IgG Fab Fragment (p/n orb346340). Lane 4: Rat IgM Whole Molecule (p/n orb346341). Lane 5: Rat Serum. All samples were reduced. Load: 50 ng per lane. Block: orb348637 for 30 min at RT. Primary Antibody: Anti-Rat IgG (H&L) (GOAT) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Ms Rb & Sh Serum Proteins) (p/n orb347785) 1:1000 for 60 min at RT. Secondary Antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40000 in orb348637 for 30 min at RT. Predicted/Observed Size: 25 and 55 kDa for Rat IgG and Serum, 25 kDa for F(c) and Fab, 78 and 25 kDa for IgM. Rat F(c) migrates slightly higher.



Western Blot of Peroxidase conjugated Goat anti-Rat IgG antibody. Lane 1: Rat IgG. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Peroxidase rat secondary antibody at 1:1000 for 60 min at RT. Block: orb348637 for 30 min at RT. Predicted/Observed size: 55 kDa, 28 kDa for Rat IgG. Other band(s): none.

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