

## Product Datasheet

# Rabbit IgG (H&L) Secondary Antibody Peroxidase Conjugated (orb347673)

<b>Catalog Number</b>	orb347673
<b>Category</b>	Antibodies
<b>Description</b>	RABBIT 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>	Rabbit
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	2 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>	RABBIT IgG (H&L) Secondary Antibody Peroxidase Conjugated was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Rabbit IgG and Rabbit Serum.
<b>Immunogen</b>	Rabbit IgG whole molecule

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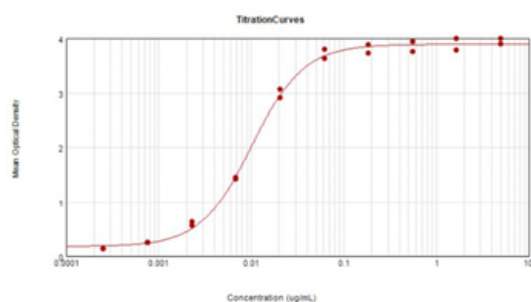
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<b>Tested applications</b>	ELISA, IHC, WB
<b>Dilution range</b>	ELISA: 1:5,000 - 1:250,000, IHC: 1:500 - 1:2,500, WB: 1:10,000 - 1:20,000
<b>Application notes</b>	Anti-Rabbit IgG Peroxidase Conjugated Antibody has been tested by ELISA and western blot and is suitable for ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation, Immunohistochemistry as well as other HRP antibody based assays. Specific conditions for reactivity and signal detection should be optimized by the end user. 0.384 moles Peroxidase (HRP) per mole. Reconstitution Buffer: Restore with deionized water (or equivalent). Reconstitution Volume: 1.0 mL
<b>Antibody Type</b>	Secondary Antibody
<b>Storage</b>	Store secondary antibody 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.



ELISA results of Goat Anti-Rabbit IgG Antibody Peroxidase Conjugated tested against purified Rabbit IgG protein. Each well was coated in duplicate with 10 µg of Rabbit IgG (p/n orb2652747). The starting dilution of antibody was 5 µg/ml and the X-axis represents the Log<sub>10</sub> of a 3-fold dilution. The titer is 1:98500. This titration is a 4-parameter curve fit where the IC<sub>50</sub> is defined as the titer of the antibody. Assay performed using 3% fish gelatin as blocking buffer and TMB substrate p/n orb348651.

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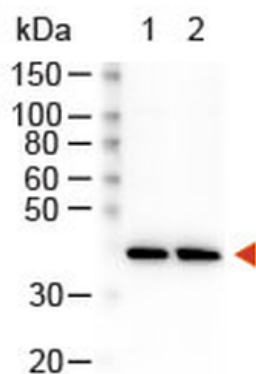
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Western Blot of Peroxidase Conjugated Goat Anti-Rabbit Antibody. Lane 1: HeLa Whole Cell Lysate. Lane 2: NIH/3T3 Whole Cell Lysate. Load: 10  $\mu$ g per lane. Primary antibody: Beta Actin Antibody at 1:1000 for overnight at 4°C. Secondary antibody: Peroxidase Conjugated Goat Anti-Rabbit Antibody at 1:40000 for 30 min at RT. Block: orb348637 for 30 min at RT. Predicted/Observed size: 42 kDa, 42 kDa.

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