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# R1318HRP Polyclonal Antibody to Goat IgG (H&L) - HRP

**Alternate names:** Goat Immunoglobulin G

**Quantity:** 1 mg

**Concentration:** 1.0 mg/ml (by UV absorbance at 280 nm)

**Host:** Rabbit

**Immunogen:** Goat IgG whole molecule

**Format:**
**State:** Lyophilized purified Ig fraction
**Purification:** Immunoaffinity Chromatography using Goat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities
**Buffer System:** 0.02 MPotassium Phosphate, 0.15M Sodium Chloride, pH 7.2, with 0.01% (w/v) Gentamicin Sulfate as preservative and 10 mg/ml BSA (IgG and Protease free) as stabilizer.
**Label:** HRP – Horseradish Peroxidase
**Reconstitution:** Restore with 1.0 ml deionized water or equivalent.

**Applications:** 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.
Recommended dilutions
ELISA: 1/10,000-1/50,000.
Western blot: 1/1,000-1/5,000.
Immunohistochemistry: 1/500-1/2,500.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Rabbit Serum, Goat IgG and Goat Serum.
No reaction was observed against Human Serum Proteins.

**Storage:** Store vial at 2-8°C prior to restoration.
Restore with deionized water (or equivalent); centrifuge product if not completely clear after standing at room temperature. This product is stable for one month at 2-8°C as an undiluted liquid.
For extended storage aliquot contents and freeze at -20°C or below. Avoid repeated freezing and thawing.
Dilute only prior to immediate use.
Shelf life: one year from despatch.

**General Readings:**
1. Farr & Nakane, J. Immunol. Methods 47; 129-144. 1981. (Conjugation)

**Pictures:**

Western Blot of HRP conjugated anti-Goat IgG antibody R1318HRP showing detection of 50ng of Goat IgG (Lane 1) but not Human IgG (Lane 2). Samples were separated by 4-20% SDS-PAGE under reducing conditions and transferred to nitrocellulose membrane. The blot was blocked overnight at 4°C in 5% BSA in TBS. A 1/5,000 dilution of antibody in Blocking Buffer for Fluorescent Western Blotting was used to probe the membrane at RT for 1 h. The image was developed using Chemiluminescent FemtoMax™ Super Sensitive HRP Substrate (p/n Femtomax-020) for one minute.