

## Anti-PEROXIDASE (Horseradish) (GOAT) Antibody - 100-1138

**Code:** 100-1138

**Size:** 2 mL

**Product Description:** Anti-PEROXIDASE (Horseradish) (GOAT) Antibody - 100-1138

**Concentration:** 45.0 mg/mL by Refractometry

**PhysicalState:** Lyophilized

<b>Label</b>	Unconjugated
<b>Host</b>	Goat
<b>Buffer</b>	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	2.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	None
<b>Preservative</b>	None
<b>Storage Condition</b>	Store anti-HRP 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>Synonyms</b>	HRP, Horseradish peroxidase, Goat anti-peroxidase antibody, anti-HRP
<b>Application Note</b>	Anti-Peroxidase (Horseradish) (Goat) Antibody has been assayed against 1.0 ug of Peroxidase [Horseradish] in a standard ELISA using Alkaline Phosphatase conjugated Affinity Purified anti-Goat IgG [H&L] (Rabbit) code #605-4502 and pNPP as a substrate for 30 minutes at room temperature. A working dilution of 1:9,000 to 1:40,000 of the reconstitution concentration is suggested for this product.
<b>Background</b>	Horse Radish Peroxidase (HRP) is an enzyme that utilize organic peroxide compounds as electron donors. Naturally provides protection for plants against pathogens, but can be utilized in molecular biology to convert various substrates to detectable compounds (such as in Western Blotting and ELISAs). Anti-Peroxidase (Horseradish) (Goat) Antibody is ideal for investigators in Microbiology, Immunology, and Cell Biology research.
<b>Purity And Specificity</b>	Anti-Peroxidase (Horseradish) (goat) antibody was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum, purified and partially purified Peroxidase [Horseradish]. Cross reactivity against Peroxidase from other tissues and species may occur but have not been specifically determined.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:9,000 - 1:40,000
<b>Western Blot</b>	1:900 - 1:4,000
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	Peroxidase [Horseradish]
<b>General Reference</b>	Veitch, Nigel C. (2004). Horseradish peroxidase: a modern view of a classic enzyme. <i>Phytochemistry</i> . Feb., Vol. 65. (3): 249-259.

**Related Products**

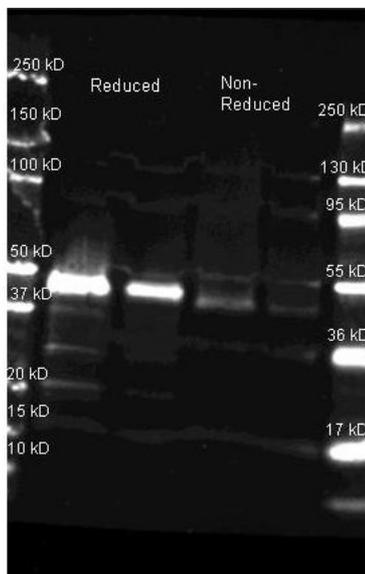
100-2138	Anti-PEROXIDASE (Horseradish) (GUINEA PIG) Antibody - 100-2138
100-3138	Anti-PEROXIDASE (Horseradish) (MOUSE) Antibody - 100-3138
100-4138	Anti-PEROXIDASE (Horseradish) (RABBIT) Antibody - 100-4138
100-5138	Anti-PEROXIDASE (Horseradish) (RAT) Antibody - 100-5138

**Related Links**

## Images

1

Western Blot of Goat anti-Peroxidase Antibody. Lane 1: horse radish peroxidase Reduced. Lane 2: horse radish peroxidase Reduced. Lane 3: horse radish peroxidase Non-Reduced. Lane 4: horse radish peroxidase Non-Reduced. Load: Lane 1 and 3 - 1.0  $\mu$ g per lane, Lane 2 and 4 - 0.25  $\mu$ g per lane. Primary antibody: Peroxidase antibody at 1:5,000 for overnight at 4°C. Secondary antibody: DyLight™ 649 goat secondary antibody at 1:10,000 for 90 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 40 kDa/40 kDa for Horse radish peroxidase. Other band(s): Horse radish peroxidase splice variants and isoforms.



## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.