

Datasheet for 100-1138**Anti-Peroxidase (Goat) Antibody****Overview**

Description:	Anti-Peroxidase (Horseradish) (GOAT) Antibody - 100-1138
Item No.:	100-1138
Size:	2 mL
Applications:	WB
Reactivity:	Peroxidase
Host Species:	Goat

Product Details

Background:	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.
Synonyms:	HRP, Horseradish peroxidase, Goat anti-peroxidase antibody, anti-HRP
Host Species:	Goat
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Reactivity:	Peroxidase
Immunogen Type:	Native Protein
Immunogen:	Peroxidase [Horseradish]
Purity/Specificity:	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.

Relevant Links:

- [UniProtKB - Q42517](#)

Application Details

Tested Applications:	WB
Application Note:	Anti-Peroxidase (Horseradish) (Goat) Antibody has been tested by western blot and is suitable to be 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:9,000 - 1:40,000
WB:	1:900 - 1:4,000

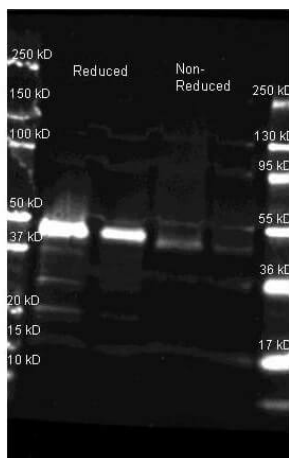
Formulation

Physical State:	Lyophilized
Concentration:	45.0 mg/mL by Refractometry
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

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 µg per lane, Lane 2 and 4 - 0.25 µg 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

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