

Datasheet for 200-101-038S**Peroxidase Antibody****Overview**

Description:	Anti-Peroxidase (Horseradish) (GOAT) Antibody - 200-101-038S
Item No.:	200-101-038S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Peroxidase
Host Species:	Goat

Product Details

Background:	Peroxidase described as the removal of hydrogen peroxide, oxidation of toxic reductants, biosynthesis and degradation of lignin, suberization, auxin catabolism, a response to environmental stresses such as wounding, a and pathogen attack and oxidative stress. These functions might be dependent on each isozyme/isoform in each plant tissue.
Synonyms:	goat anti-Peroxidase Antibody, goat anti-HRP antibody, horseradish antibody, goat anti Peroxidase, goat anti HRP
Host Species:	Goat
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PRXC, HRPC
Reactivity:	Peroxidase
Immunogen Type:	Native Protein
Immunogen:	Peroxidase (Horseradish)

Purity/Specificity:	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum as well as purified and partially purified Peroxidase (Horseradish). Cross-reactivity against Peroxidase from other tissues and species may occur but has not been specifically determined.
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Relevant Links:	• 200-101-038 SDS
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Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Peroxidase has been tested by ELISA and western blot and is suitable for dot blot, immunoprecipitation, and most immunological methods requiring high titer and specificity.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

Formulation

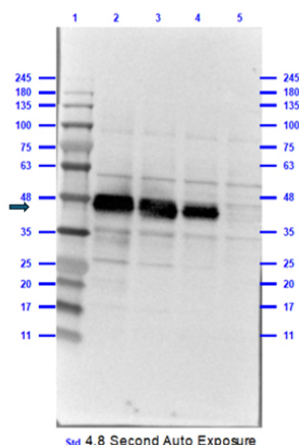
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiration: Expiration date is three (3) months from date of receipt.

Images



Western Blot

Western Blot results of Goat Anti-Peroxidase Antibody.

Lane 1: Prestaine MW marker (p/n MB-210-0500).

Lane 2: Peroxidase/HeLa WC (Q00122/W09-000-364) (0.1µg/5µg reduced) [+].

Lane 3: Peroxidase/HeLa WC (Q00122/W09-000-364) (0.05µg/5µg reduced) [+].

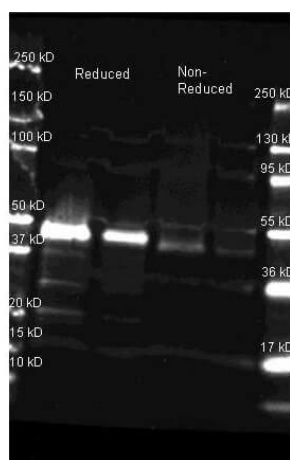
Lane 4: Peroxidase/HeLa WC (Q00122/W09-000-364) (0.01µg/5µg reduced) [+].

Lane 5: HeLa WC (p/n W09-000-364) (5µg reduced) [-].

Blocking: BlockOut® Universal Blocking Buffer (p/n MB-073) for 1h at RT.

Primary Antibody: Goat Anti-Peroxidase at 1:1000 overnight at 2-8°C.

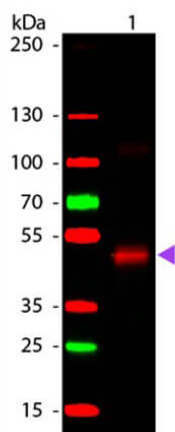
Secondary Antibody: Donkey Anti-Goat IgG HRP mx (p/n 605-703-125) at 1:40,000 for 30mins at RT.



Western Blot

Rockland Goat anti-Peroxidase antibody was used to detect horseradish peroxidase under reducing and non-reducing conditions. Reduced samples of purified horseradish peroxidase contained 4% BME and were boiled for 5 minutes. Samples of ~1 and 0.25 ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with Rockland Goat anti-Peroxidase antibody (p/n 200-1138, lot 25614) at 1:5K in MB-070, ON 4°C.

Primary antibody was detected with Rockland Donkey anti-Goat Dylight 649 conjugated (p/n 605-743-125, lot 20834) at 1:10K for 1.5 hr at RT in MB-070 and imaged on the BioRad VersaDoc imaging system.



Western Blot

Western Blot of Goat anti-Peroxidase Antibody. Lane 1:
 Peroxidase. Load: 50 ng per lane. Primary antibody: Goat
 Anti-Peroxidase antibody at 1:1,000 overnight at 4°C.
 Secondary antibody: Donkey anti-goat DyLight™ 649
 secondary antibody (p/n 605-743-125) at 1:20,000 for 30
 min at RT. Block: MB-070 for 30 min at RT.
 Predicted/Observed size: 44 kDa, 44 kDa for Peroxidase.
 Other band(s): None.

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.