

Datasheet for 200-2138S**Anti-Peroxidase (Guinea Pig) Antibody****Overview**

Description:	Anti-Peroxidase (Horseradish) (GUINEA PIG) Antibody - 200-2138S
Item No.:	200-2138S
Size:	25 µL
Applications:	WB
Reactivity:	Peroxidase
Host Species:	Guinea Pig

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) (Guinea Pig) Antibody is ideal for investigators in Microbiology, Immunology, and Cell Biology research.
Synonyms:	Guinea pig anti-peroxidase antibody, Guinea pig anti-HRP antibody, Horseradish peroxidase
Host Species:	Guinea Pig
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PRXC, HRPC
Reactivity:	Peroxidase
Immunogen Type:	Native Protein
Immunogen:	Peroxidase [Horseradish]

Purity/Specificity: Anti-Peroxidase (Horseradish) (Guinea Pig) Antibody 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-Guinea Pig Serum as well as purified and partially purified Peroxidase [Horseradish]. Cross reactivity against Peroxidase from other tissues and species may occur but have not been specifically determined.

Application Details

Tested Applications:	WB
Application Note:	Anti-Peroxidase (Horseradish) (Guinea Pig) Antibody has been tested by western blot and is suitable for immunoblotting (western or dot blot), ELISA, immunoprecipitation, conjugation 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

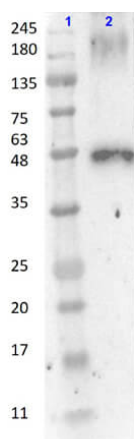
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	None

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 one (1) year from date of receipt.

Images



Western Blot

Western Blot Results of Anti-Peroxidase Antibody. Lane 1: Opal Prestained Molecular Weight Marker (p/n MB-210-0500). Lane 2: Peroxidase. Primary Anti-Peroxidase at 1:2000 at RT for 1hr. Secondary Antibody: Goat Anti-Guinea Pig IgG DyLight™549 (p/n 606-142-129) at 1:10000 at RT for 30mins. Block: MB-070. Expect MW: ~44kDa.

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.