

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

Description:	Anti-Peroxidase (Horseradish) (GUINEA PIG) Antibody (Bulk Order) - 200-2138
Item No.:	200-2138
Size:	50 mg
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:	Lyophilized
Concentration:	10.0 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
Reconstitution Volume:	5.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

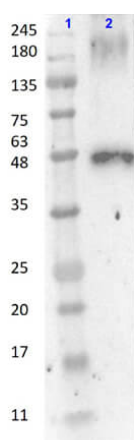
Shipping & Handling

Shipping Condition:	Ambient
----------------------------	---------

Storage Condition: Store vial 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 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.