

Datasheet for 200-4138S

Peroxidase Antibody

Overview

Description:	Anti-Peroxidase (Horseradish) (RABBIT) Antibody - 200-4138S
Item No.:	200-4138S
Size:	25 µL
Applications:	WB, IHC
Reactivity:	Peroxidase
Host Species:	Rabbit

Product Details

Background:	Horseradish Peroxidase (HRP) is an enzyme used for chemical reactions which produce peroxide. The enzyme is routinely conjugated to antibodies for use in enzyme-based immunoassay systems. It is used to amplify signals and enhance a target's detectability. Anti-HRP antibodies reliably detect HRP, and each antibody is validated for use in Immunohistochemistry, Western Blotting and ELISA.
Synonyms:	rabbit anti-Peroxidase Antibody, rabbit anti-HRP antibody, horseradish antibody, rabbit anti Peroxidase, rabbit anti HRP
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Purity/Specificity:	Anti-Peroxidase 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-Rabbit 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.
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Relevant Links:	• 200-4138 SDS
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Application Details

Tested Applications:	WB
Suggested Applications:	IHC (Based on references)
Application Note:	Anti-Peroxidase antibody has been tested by western blotting. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:12,000 - 1:54,000
WB:	1:500 - 1:3000

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

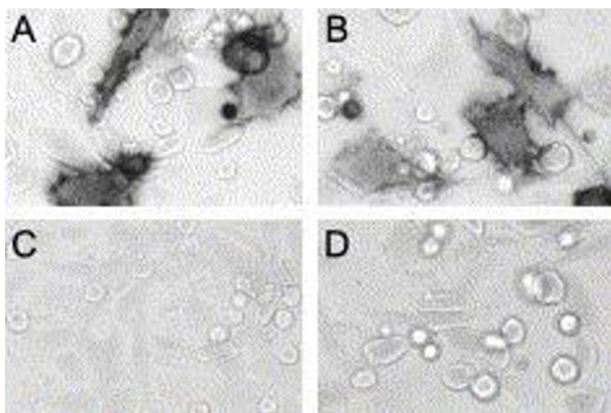
Shipping & Handling

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:

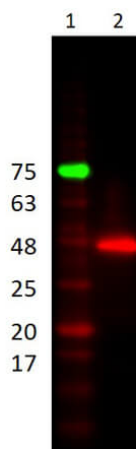
Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy

CHOP8 cells transiently expressed with At-FucT-C3-1 (A), At-FucT-C3-2 (B) and Bv- α 1 $\rightarrow$ 4-FucT (C) and an empty vector control (D). Cells were stained with an antibody specific for core α 1 $\rightarrow$ 3-linked Fuc. Fig 2. PMID: 11696361



Western Blot

Western Blot Results of Rabbit Anti-Peroxidase Antibody. Lane 1: Opal Prestained Molecular Weight Marker (p/n MB-20-0500). Lane 2: Peroxidase (HRP). Primary Antibody: Anti-HRP at 1:100 in 0.75% Casein/TBST overnight at 2-8°C. Secondary Antibody: Goat Anti-Rabbit IgG mx10 DyLight™649 (p/n 611-143-122) at 1:5000 in MB-070 Buffer for 30 mins at RT. Block: 0.75% Casein/TBST for 30 min at RT. Expected MW: ~44kDa.

References

- Bakker H et al. Plant members of the α 1 $\rightarrow$ 3/4-fucosyltransferase gene family encode an α 1 $\rightarrow$ 4-fucosyltransferase, potentially involved in Lewis(a) biosynthesis, and two core α 1 $\rightarrow$ 3-fucosyltransferases. *FEBS Lett.* (2001)

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.