

Datasheet for 200-403-049S

Carboxypeptidase B Antibody HRP Conjugated**Overview**

Description:	Anti-Carboxypeptidase B (RABBIT) Antibody Peroxidase Conjugated - 200-403-049S
Item No.:	200-403-049S
Size:	25 µL
Applications:	WB
Reactivity:	Pig
Host Species:	Rabbit

Product Details

Background:	Anti-Carboxypeptidase B Antibody is a key enzyme in the hydrolysis in basic amino acids in the C-terminal position of polypeptides. First isolated from the porcine pancreas, Carboxypeptidase B is activated by trypsin and exhibits high specificity for lysine and arginine. Carboxypeptidase B is also a key enzyme in insulin product in humans and can be used as a marker for pancreatic diagnosis. Anti-Carboxypeptidase B is ideal for investigators in Cell Biology, Immunology, and Microbiology.
Synonyms:	rabbit anti-Carboxypeptidase B antibody HRP conjugation, peroxidase conjugated rabbit anti-Carboxypeptidase B Antibody, CarboxypeptidaseB1 antibody, CP B1 antibody, CPB 1 antibody, CPB antibody, CPB1 antibody, DKFZp779K1333 antibody, Pancreas specific protein antibody, Pancreatic carboxypeptidase B1 antibody
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CPB1
Reactivity:	Pig

Immunogen Type:	Native Protein
Immunogen:	Carboxypeptidase B [Porcine Pancreas]
Purity/Specificity:	Anti-Carboxypeptidase B 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-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Carboxypeptidase B [Porcine Pancreas]. Cross reactivity against Carboxypeptidase B from other tissues and species is unknown.
Relevant Links:	• UniProtKB - P09955 • NCBI - NP_999334.1 • GeneID - 397341

Application Details

Tested Applications:	WB
Application Note:	Anti-Carboxypeptidase B peroxidase Antibody has been tested in western blot and suitable to be assayed against 1.0 ug of Carboxypeptidase B [Porcine Pancreas] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:3,000 of the reconstitution concentration is suggested for Anti-Carboxypeptidase B Antibody.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:1,000 - 1:5,000
WB:	1:250 - 1:1,000

Formulation

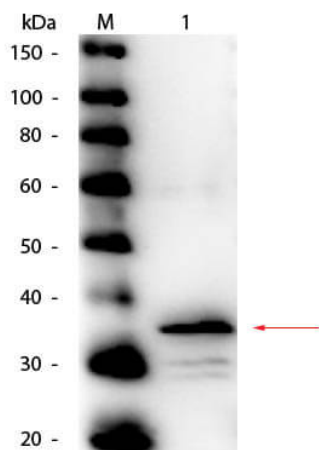
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

Shipping & Handling

Shipping Condition:	Dry Ice
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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 of Rabbit anti-Carboxypeptidase B Antibody Peroxidase Conjugated. Lane 1: Carboxypeptidase B. Load: 50 ng per lane. Primary antibody: Rabbit anti-Carboxypeptidase B Antibody Peroxidase Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: n/a. Block: MB-070 for 30 minutes at RT. Predicted/Observed size: 47 kDa, observed at 35 kDa for Carboxypeptidase B. Expected molecular weight for processed protein is ~34.7 kDa.

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.