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Datasheet for 200-406-135-0100

Carboxypeptidase Y Antibody Biotin Conjugated

Overview

Description:	Anti-Carboxypeptidase Y (RABBIT) Antibody Biotin Conjugated - 200-406-135-0100
Item No.:	200-406-135-0100
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	S. cerevisiae
Host Species:	Rabbit

Product Details

Background:	Anti-Carboxypeptidase Y antibody is a participant in degrading small peptides. Carboxypeptidase Y preferentially digests peptides containing aliphatic or hydrophobic residue in P1' position, as well as methionine, leucine, or phenylalanine in P1 position of ester substrate. A member of the peptidase S10 family, Anti-Carboxypeptidase Y is ideal for researchers interested in Metabolism, Signal Transduction, and Cell Biology research.
Synonyms:	rabbit anti-Carboxypeptidase Y antibody biotin conjugation, biotin conjugated rabbit anti-Carboxypeptidase Y Antibody, Carboxypeptidase YSCY antibody, CPY1 antibody, LBC1 antibody, PRC1 antibody, Vacuolar carboxypeptidase Y antibody, YMR297W antibody, Carboxypeptidase C
Host Species:	Rabbit
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PRC1
Reactivity:	S. cerevisiae
Immunogen Type:	Native Protein
Immunogen:	Carboxypeptidase Y [Baker's Yeast]

Purity/Specificity:	Anti-Carboxypeptidase Y 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-Biotin, anti-Rabbit Serum as well as purified and partially purified Carboxypeptidase Y [Baker's Yeast]. Cross reactivity against Carboxypeptidase Y from other sources may occur but has not been specifically determined.
Relevant Links:	• UniProtKB - P00729 • NCBI - NP_014026.1 • GeneID - 855343

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Carboxypeptidase Y Biotin Antibody has been tested by ELISA and Western Blot and is assayed against 1.0 ug of Carboxypeptidase Y in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and 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 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:25,000
WB:	1:500 - 1:3,000

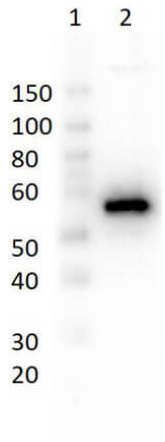
Formulation

Physical State:	Lyophilized
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:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 µL
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 of Rabbit Anti-Carboxypeptidase Y Antibody Biotin Conjugated. Lane 1: Molecular Weight Marker. Lane 2: Carboxypeptidase Y. Primary Antibody: Anti-Carboxypeptidase Y Antibody Biotin Conjugated at 1:1000 overnight at 2-8°C. Secondary Antibody: Streptavidin-HRP (p/n S000-03) at 1:40,000 for 30 mins at RT. Block: BlockOut Buffer (p/n MB-073). Expected MW: ~60kDa.

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