Anti-CARBOXYPEPTIDASE Y (RABBIT) Antibody - 100-401-135

Code: 100-401-135 **Size:** 2 mL

Product Description: Anti-CARBOXYPEPTIDASE Y (RABBIT) Antibody - 100-401-135

Concentration: 90 mg/mL by Refractometry

PhysicalState: Lyophilized

Label	Unconjugated
Host	Rabbit
Gene Name	PRC1
Species Reactivity	Baker's Yeast
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	2.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
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.
Synonyms	rabbit anti-Carboxypeptidase Y antibody, Carboxypeptidase YSCY antibody, CPY1 antibody, LBC1 antibody, PRC1 antibody, Vacuolar carboxypeptidase Y antibody, YMR297W antibody
Application Note	Anti-Carboxypeptidase Y has been assayed against 1.0 µg of Carboxypeptidase Y [Baker's Yeast] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 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 1:1,000 to 1:3,000 of the reconstitution concentration is suggested for this product.
Background	Carboxypeptidase Y is involved in degradation of small peptides. It digests preferentially peptides containing an aliphatic or hydrophobic residue in P1' position, as well as methionine, leucine or phenylalanine in P1 position of ester substrate. Carboxypeptidase that catalyzes the release of a C-terminal amino acid with broad specificity. It is inhibited by ZPCK.
Purity And Specificity	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Carboxypeptidase Y [Baker's Yeast]. Cross reactivity against Carboxypeptidase Y from other tissues and species may occur but have not been specifically determined.
Assay Dilutions	User Optimized
ELISA	1:5,000 - 1:25,000
Western Blot	1:500 - 1:3,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Carboxypeptidase Y [Baker's Yeast]

Related Products

611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
611-1322	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated (Min X Human Serum Proteins) - 611-1322
B304	NORMAL GOAT SERUM (NGS) - B304

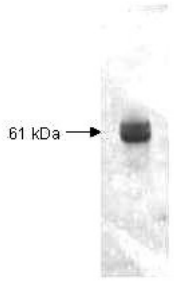
FEMTOMAX-110	Chemiluminescent FemtoMax™ Super Sensitive HRP Substrate for Microwell and/or Membrane (2 component system) - FEMTOMAX-110

Related Links

	UniProtKB - P00729
http://www.uniprot.org/uniprot/P00729	
NCBI - P00729.1	http://www.ncbi.nlm.nih.gov/protein/P00729.1
	GeneID - 855343

Images

1	Both the antiserum and IgG fractions of anti-Carboxypeptidase Y (Baker's Yeast) are shown to detect under reducing conditions of SDS-PAGE the 61,000 dalton enzyme in cellular extracts. Approximately 10 µg of total protein is loaded per lane. A 1:5,000 dilution of the primary antibody is used followed by detection using HRP Goat-a-Rabbit IgG [H&L] (611-1302) diluted 1:4,000 and color development using 4-CN substrate until sufficient color develops. Other detection systems will yield similar results.



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