

Anti-CARBOXYPEPTIDASE Y (RABBIT) Antibody Biotin Conjugated
Carboxypeptidase Y Antibody Biotin Conjugated
Catalog # ASR4539**Specification****Anti-CARBOXYPEPTIDASE Y (RABBIT) Antibody Biotin Conjugated - Product Information**

Host	Rabbit
Conjugate	Biotin
Target Species	Saccharomyces cerevisiae
Reactivity	Saccharomyces cerevisiae
Clonality	Polyclonal
Application	WB, E, I, LCI
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'-azin o-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.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Carboxypeptidase Y [Baker's Yeast]
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide

Anti-CARBOXYPEPTIDASE Y (RABBIT) Antibody Biotin Conjugated - Additional Information**Gene ID** 855343**Other Names**
855343**Purity**

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.

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.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-CARBOXYPEPTIDASE Y (RABBIT) Antibody Biotin Conjugated - Protein Information

Name PRC1 {ECO:0000303|PubMed:3028649}

Function

Vacuolar serine-type carboxypeptidase involved in degradation of small peptides (PubMed:8679540). 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 (PubMed:8679540). Also plays a role in breakdown of the autophagic body and the autophagosome-dependent protein synthesis (PubMed:29514932). Plays a key role in phytochelatin (PC) synthesis from glutathione (GSH) by cleaving the Gly from GSH and form the PC- peptides of the structure (gamma-Glu-Cys)2-Gly (PubMed:17408619). Also involved in resistance to xenobiotics via the degradation of glutathione-S-conjugates (PubMed:19897216).

Cellular Location

Vacuole lumen. Note=The vacuolar sorting receptor VPS10 is required for the delivery of ATG42 to the vacuole lumen.

Anti-CARBOXYPEPTIDASE Y (RABBIT) Antibody Biotin Conjugated - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CARBOXYPEPTIDASE Y (RABBIT) Antibody Biotin Conjugated - Images**Anti-CARBOXYPEPTIDASE Y (RABBIT) Antibody Biotin Conjugated - 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.