

Anti-CARBOXYPEPTIDASE Y (RABBIT) Antibody Peroxidase Conjugated
Carboxypeptidase Y Antibody Peroxidase Conjugated
Catalog # ASR4513**Specification****Anti-CARBOXYPEPTIDASE Y (RABBIT) Antibody Peroxidase Conjugated - Product Information**

| | |
|-----------------------|--|
| Host | Rabbit |
| Conjugate | Peroxidase (Horseradish) |
| Target Species | Saccharomyces cerevisiae |
| Reactivity | Saccharomyces cerevisiae |
| Clonality | Polyclonal |
| Application | WB, IHC, E, I, LCI |
| Application Note | Anti-Carboxypeptidase Y Peroxidase antibody has been tested by ELISA and western blot and is assayed against 1.0 µg of Carboxypeptidase Y [Baker's Yeast] 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 1:20,000 to 1:100,000 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) Gentamicin Sulfate. Do NOT add Sodium Azide! |

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

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-Peroxidase, 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 Peroxidase 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 Peroxidase 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 Peroxidase Conjugated - Images**Anti-CARBOXYPEPTIDASE Y (RABBIT) Antibody Peroxidase Conjugated - Background**

Carboxypeptidase Y is an enzyme that catalyzes the reaction of the release of a C-terminal amino acid with broad specificity. Carboxypeptidase Y is a carboxypeptidase with optimum activity at pH

4.5-6.0. It is inhibited by diisopropyl fluorophosphate.