

Anti-CARBOXYPEPTIDASE B (RABBIT) Antibody Biotin Conjugated
Carboxypeptidase B Antibody Biotin Conjugated
Catalog # ASR4531**Specification****Anti-CARBOXYPEPTIDASE B (RABBIT) Antibody Biotin Conjugated - Product Information**

Host	Rabbit
Conjugate	Biotin
Target Species	Swine
Reactivity	Pig
Clonality	Polyclonal
Application	WB, E, I, LCI
Application Note	Anti-CARBOXYPEPTIDASE B Biotin Antibody has been tested by Western Blot and is suitable to be assayed against 1.0 ug of Carboxypeptidase B 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 B [Porcine Pancreas]
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 B (RABBIT) Antibody Biotin Conjugated - Additional Information**Gene ID** 397341**Other Names**

397341

Purity

Anti-CARBOXYPEPTIDASE B (RABBIT) 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-Biotin, anti-Rabbit Serum as well as purified and partially purified Carboxypeptidase B [Porcine Pancreas]. Cross reactivity against Carboxypeptidase B from other sources may occur but have 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 B (RABBIT) Antibody Biotin Conjugated - Protein Information

Name CPB1

Synonyms CPB

Cellular Location

Secreted {ECO:0000250|UniProtKB:P00732}. Zymogen granule lumen {ECO:0000250|UniProtKB:P55261}

Anti-CARBOXYPEPTIDASE B (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 B (RABBIT) Antibody Biotin Conjugated - Images

Anti-CARBOXYPEPTIDASE B (RABBIT) Antibody Biotin Conjugated - Background

A carboxypeptidase (EC number 3.4.16 - 3.4.18) is a protease enzyme that hydrolyzes (cleaves) a peptide bond at the carboxy-terminal (C-terminal) end of a protein or peptide. (Contrast with an aminopeptidase, which cleaves peptide bonds at the other end of the protein.) Humans, animals, and plants contain several types of carboxypeptidases that have diverse functions ranging from catabolism to protein maturation.

Carboxypeptidase B is a carboxypeptidase that preferentially acts upon basic amino acids, such as arginine and lysine. This serum enzyme is also responsible for rapidly metabolizing the C5a protein into C5a des-Arg, with one less amino acid.