# antibodies .- online.com







## anti-CPB1 antibody (Biotin)



Image



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Endotoxin Level:

Quantity:	100 μg
Target:	CPB1
Reactivity:	Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPB1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	Carboxypeptidase B [Porcine Pancreas]
	Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Carboxypeptidase B from other sources may occur but have not been specifically determined.
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].

Low Endotoxin: No

## **Target Details**

Target:	CPB1	
Alternative Name:	Carboxypeptidase B (CPB1 Products)	
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. Synonyms: CarboxypeptidaseB1 antibody, CP B1 antibody, CPB 1 antibody, CPB antibody, CPB antibody, Pancreatic carboxypeptidase B1 antibody	
Gene ID:	397341	
UniProt:	P09955	

## **Application Details**

Anti-CARBOXYPEPTIDASE B (RABBIT) Antibody has been assayed against 1.0 µg of
Carboxypeptidase B 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. ELISA Dilution: 1:5.000 - 1:25.000

Western Blot Dilution: 1:500 - 1:3.000

Restrictions: For Research Use only

## Handling

Format:	Liquid
Concentration:	10 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Handling Advice:	Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Storage:	-20 °C

### Handling

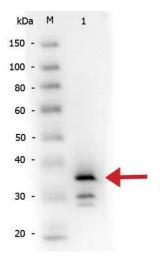
#### Storage Comment:

Store vial at -20 °C or below prior to opening. This vial contains a relatively low volume of reagent (25  $\mu$ L). To minimize loss of volume dilute 1:10 by adding 225  $\mu$ L of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below.

**Expiry Date:** 

Expiration date is one (1) year from date of opening.

#### **Images**



#### **Western Blotting**

Image 1. Western Blot of Rabbit anti-Carboxypeptidase B antibody Biotin conjugated. Lane 1: Carboxypeptidase B. Load: 50 ng per lane. Primary antibody: Rabbit anti-Carboxypeptidase B antibody Biotin conjugated at 1:1,000 overnight at 4°C. Secondary antibody: HRP conjugated rabbit secondary antibody at 1:40,000 for 30 min at RT. Block: Blocking buffer for Fluorescent Western Blotting (ABIN925618) at RT for 30 min. Predicted/Observed size: ~35 kDa