

Datasheet for ABIN5596913
anti-CPB1 antibody (HRP)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	CPB1
Reactivity:	Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPB1 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Immunogen: Carboxypeptidase B [Porcine Pancreas] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Carboxypeptidase B from other tissues and species is unknown.
Purification:	Anti-Carboxypeptidase B 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-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Carboxypeptidase B [Porcine Pancreas].

Target Details

Target:	CPB1
Alternative Name:	Carboxypeptidase B (CPB1 Products)
Background:	<p>Synonyms: CarboxypeptidaseB1 antibody, CP B1 antibody, CPB 1 antibody, CPB antibody, CPB1 antibody, DKFZp779K1333 antibody, Pancreas specific protein antibody, Pancreatic carboxypeptidase B1 antibody</p> <p>Background: Anti-Carboxypeptidase B Antibody is a key enzyme in the hydrolysis in basic amino acids in the C-terminal position of polypeptides. First isolated from the porcine pancreas, Carboxypeptidase B is activated by trypsin and exhibits high specificity for lysine and arginine. Carboxypeptidase B is also a key enzyme in insulin product in humans and can be used as a marker for pancreatic diagnosis. Anti-Carboxypeptidase B is ideal for investigators in Cell Biology, Immunology, and Microbiology.</p> <p>Gene Name: CPB1</p>
Gene ID:	397341
UniProt:	P09955

Application Details

Application Notes:	<p>Application Note: Anti-Carboxypeptidase B Antibody has been assayed against 1.0 µg of Carboxypeptidase B [Porcine Pancreas] 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 1:1,000 to 1:3,000 of the reconstitution concentration is suggested for Anti-Carboxypeptidase B Antibody.</p> <p>Western Blot Dilution: 1:250 - 1:1,000</p> <p>ELISA Dilution: 1:1,000 - 1:5,000</p>
Restrictions:	For Research Use only

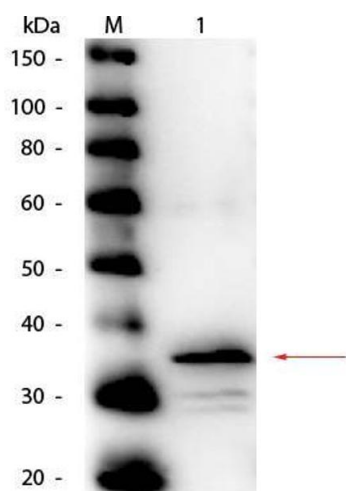
Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1.0 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>

Handling

Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western Blot of Rabbit anti-Carboxypeptidase B Antibody Peroxidase Conjugated. Lane 1: Carboxypeptidase B. Load: 50 ng per lane. Primary antibody: Rabbit anti-Carboxypeptidase B Antibody Peroxidase Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: n/a. Block: ABIN925618 for 30 minutes at RT. Predicted/Observed size: 47 kDa, observed at 35 kDa for Carboxypeptidase B. Expected molecular weight for processed protein is ~34.7 kDa.