

Datasheet for ABIN3071965

**anti-CPY antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	CPY
Reactivity:	Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPY antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Carboxypeptidase Y antibody was raised in rabbit using Carboxypeptidase Y [Baker's Yeast] as the immunogen.
Purification:	Ion exchange chromatography

## Target Details

Target:	CPY
Alternative Name:	Carboxypeptidase Y ( <a href="#">CPY Products</a> )
Background:	A carboxypeptidase is a protease enzyme that hydrolyzes (cleaves) the peptide bond of an amino acid residue at the carboxy-terminal (C-terminal) end. (Contrast with an aminopeptidase, which cleaves peptide bonds at the other end of the residue.) Humans, animals, and plants contain several types of carboxypeptidases which have diverse functions ranging from catabolism to protein maturation.

## Application Details

Application Notes: ELISA: 10,000-1:42,000, WB: 1:5,000  
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Concentration: Lot specific

Buffer: 0.02 M K<sub>2</sub>O<sub>4</sub>, pH 7.2, with 0.12 NaCl and 0.01 % NaN<sub>3</sub>.

Preservative: Sodium azide

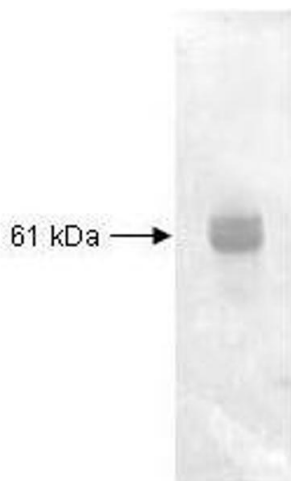
Precaution of Use: This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.

## Images



### Western Blotting

**Image 1.** Both the antiserum and IgG fractions of anti-Carboxypeptidase Y are shown to detect under reducing conditions of SDS-PAGE the 61 KDa enzyme in cellular extracts. Approximately 10 ug of total protein is loaded per lane. A 1:5, 000 dilution of the primary antibody is used followed by detection using Goat anti Rabbit IgG (H + L) (HRP) diluted 1:4, 000 and color development using 4-CN substrate until sufficient color develops. Other detection systems will yield similar results.