

## Product datasheet

# Anti-Carboxypeptidase Y antibody [10A5B5] ab113685

[7 References](#) [1 Image](#)

### Overview

---

<b>Product name</b>	Anti-Carboxypeptidase Y antibody [10A5B5]
<b>Description</b>	Mouse monoclonal [10A5B5] to Carboxypeptidase Y
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> <i>Saccharomyces cerevisiae</i>
<b>Immunogen</b>	Full length native protein (purified). This information is considered to be commercially sensitive.
<b>Positive control</b>	Yeast membranes
<b>General notes</b>	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p> <p>Product was previously marketed under the MitoSciences sub-brand.</p>

### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline
<b>Purity</b>	Proprietary Purification
<b>Purification notes</b>	Near homogeneity (Purity >95% by SDS-PAGE). The antibody was produced in vitro using hybridomas grown in serum-free medium, and then purified by chemical fractionation.
<b>Clonality</b>	Monoclonal

<b>Clone number</b>	10A5B5
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

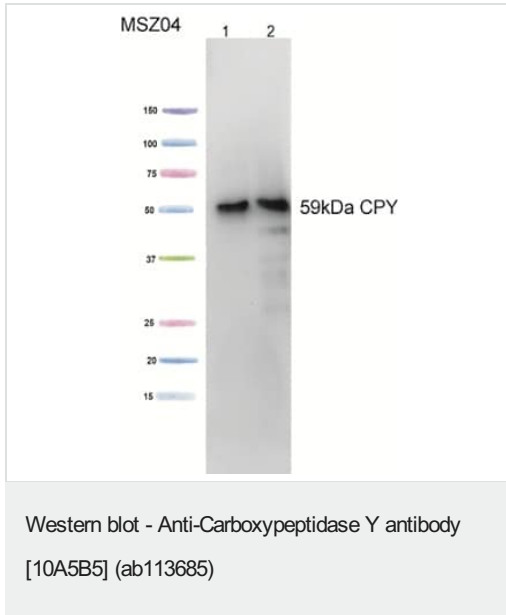
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab113685 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 µg/ml. Detects a band of approximately 59 kDa (predicted molecular weight: 59 kDa).

## Target

<b>Function</b>	Involved in degradation of small peptides. 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.
<b>Sequence similarities</b>	Belongs to the peptidase S10 family.
<b>Post-translational modifications</b>	Enters the endoplasmic reticulum as an inactive zymogen and is modified by four N-linked core oligosaccharides, giving rise to a precursor known as P1 (67 kDa). As P1 transits through the Golgi, extension of its core oligosaccharides leads to the Golgi-modified P2 precursor (69 kDa). P2 is sorted away from secretory proteins at or beyond a late Golgi compartment and is subsequently delivered to the vacuole via a prevacuolar endosome-like compartment. Upon arrival in the vacuole, the N-terminal prosegment of P2 is cleaved to yield the enzymatically active mature vacuolar form of CPY (61 kDa).
<b>Cellular localization</b>	Vacuole. Lysosome-like vacuoles.

## Images



**All lanes :** Anti-Carboxypeptidase Y antibody [10A5B5] (ab113685)

**Lane 1 :** Yeast whole cell lysate

**Lane 2 :** Yeast membrane preparation

Lysates/proteins at 15 µg per lane.

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 59 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors