

## Product datasheet

# Anti-Carboxymethyl Lysine antibody ab27684

★★★★★ [3 Abreviews](#) [37 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Anti-Carboxymethyl Lysine antibody
<b>Description</b>	Rabbit polyclonal to Carboxymethyl Lysine
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody specifically binds to Carboxy methyl Lysine modified proteins.
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Carboxy methyl Lysine conjugated to KLH.
<b>General notes</b>	<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>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	<p>pH: 7.20</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 0.015% EDTA, 0.44% Sodium chloride, 30% Glycerol (glycerin, glycerine), 1.23% Sodium phosphate</p>
<b>Purification notes</b>	This antibody was purified by Carboxy methyl Lysine protein Sepharose affinity column.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab27684 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

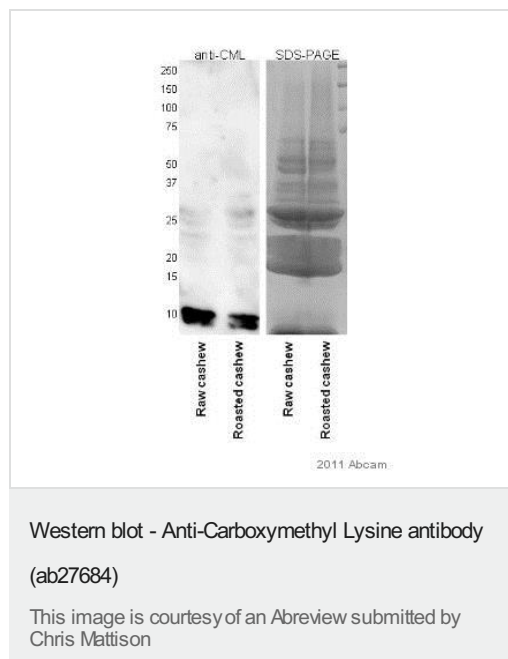
Application	Abreviews	Notes
ELISA		1/2500 - 1/20000.
WB	★★★★★ (1)	1/2500 - 1/20000.

## Target

### Relevance

N epsilon carboxymethyl lysine (CML or Carboxymethyl Lysine) is formed by the non enzymatic Schiff base reaction of glucose with proteins, followed by an Amadori rearrangement and oxidation that leaves only a carboxymethyl group attached to the lysine. The levels of CML adducts accumulate over time and have been used as an indicator of both serum glucose levels and oxidative protein damage. Elevated serum CML modified proteins have been associated with diabetes and may contribute to diabetic retinopathy, nephropathy and angiopathy.

## Images



**All lanes :** Anti-Carboxymethyl Lysine antibody (ab27684) at 1/1000 dilution (in PBST for 18 hours at 4°C)

**Lane 1 :** Whole tissue lysate of raw cashew nuts

**Lane 2 :** Whole tissue lysate of roasted cashew nuts

Lysates/proteins at 50 µg per lane.

### Secondary

**All lanes :** An HRP-conjugated Goat anti-rabbit polyclonal

Developed using the ECL technique.

**Observed band size:** 10-12 kDa

**Exposure time:** 1 minute

**Blocking Step:** 2% Milk for 30 minutes at 25°C

**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**

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- 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.

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