

Product datasheet

Anti-Carboxymethyl Lysine antibody ab27684

★★★★★ 3 Abreviews 28 References 1 Image

Overview

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	<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>
Purification notes	This antibody was purified by Carboxy methyl Lysine protein Sepharose affinity column.
Clonality	Polyclonal
Isotype	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.

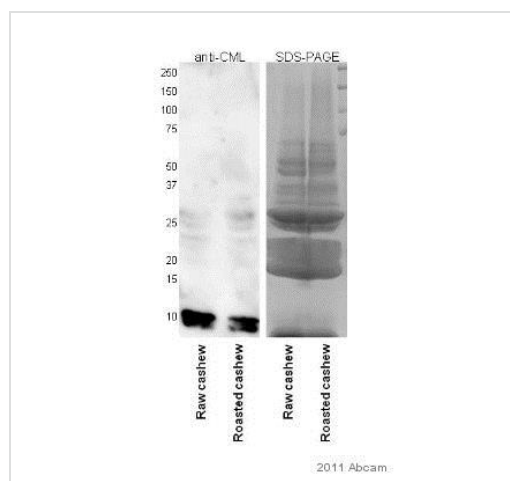
Application	Abreviews	Notes
ELISA		1/2500 - 1/20000.
WB	★★★★★ (1)	1/2500 - 1/20000.

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



Western blot - Anti-Carboxymethyl Lysine antibody (ab27684)

This image is courtesy of an Abreview submitted by Chris Mattison

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"

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