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Datasheet for ABIN264528

anti-Carboxy Methyl Lysine antibody (methylated)

Overview

Quantity:	1 mg
Target:	Carboxy Methyl Lysine (CML)
Binding Specificity:	methylated
Reactivity:	Please inquire
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Carboxy Methyl Lysine antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA), Western Blotting (WB)

Product Details

Immunogen:	Carboxymethylated Keyhole Limpet Hemocyanin (CML-KLH). Prepared by the reaction of the protein with glyoxylic acid.
Purification:	CML-protein Sepharose affinity chromatography

Target Details

Target:	Carboxy Methyl Lysine (CML)
Alternative Name:	Carboxy Methyl Lysine (CML Products)
Target Type:	Amino Acid
Background:	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

Target Details

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. Synonyms: CML, Carboxymethyl-lysine

Application Details

Application Notes: Western Blot. ELISA: 1: 4,000 - 1: 20,000.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1,0 mg/mL (OD280nm, E0.1% = 1.35)

Buffer: 75 mM PBS, pH 7.2 containing 75 mM Sodium chloride and 0.5 mM EDTA and 0.02 % Sodium azide

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 freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.