Datasheet for ABIN636761
anti-AGE antibody

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Overview

Quantity:	250 µL
Target:	AGE
Reactivity:	Please inquire
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This AGE antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	AGE antibody was raised in goat using glycoaldehyde-modified protein as the immunogen.

Target Details

Target:	AGE
Alternative Name:	AGE (AGE Products)
Target Type:	Chemical
Background:	Glycation is a post-translational modification of proteins involving a covalent linkage between a reducing sugar, such as glucose, and a receptive amino group via the non-enzymatic Maillard reaction. During the early stages of the Maillard reaction, the aldehyde groups of the reducing sugars react with the amino groups of N-terminal amino acids to form Schiff bases, which are then converted to Amadori compounds. In the advanced stages, these Amadori compounds undergo oxidation, dehydration and condensation to form advanced glycation end-products

Target Details

	(AGE) that are characterized by fluorescence, browning, and intra- or inter-molecular cross-linking properties. The main AGE products are pentosine and carboxymethyllysine (CML).

Application Details

Application Notes:	ELISA: >1:4,000, WB: >1:2,000 Optimal conditions should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Supplied as liquid whole serum without preservative
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C for short term storage. Aliquot and store at -20 °C for long term storage.