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Datasheet for ABIN738516 anti-AGE antibody

2 Images

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Overview

Quantity:	100 μL
Target:	AGE
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGE antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	AGEs
Isotype:	lgG
Specificity:	Reacts with BSA-AGE.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.
Target Details	
Target:	AGE
Alternative Name:	AGEs (AGE Products)

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Target Details	
Target Type:	Chemical
Background:	Synonyms: Advanced Glycation End products, Serum albumin, BSA, ALB Background: Advanced Glycation End products (AGEs) are the result of a chain of chemical reactions after an initial glycation reaction. The intermediate products are known, variously, as Amadori, Schiff base and Maillard products, named after the researchers who first described them. (The literature is inconsistent in applying these terms. For example, Maillard reaction products are sometimes considered intermediates and sometimes end products.) Side products generated in intermediate steps may be oxidizing agents (such as hydrogen peroxide), or not (such as beta amyloid proteins). "Glycosylation" is sometimes used for "glycation" in the literature, usually as 'non-enzymatic glycosylation. The AGE-modified BSA was produced by
	reacting BSA with glycolaldehyde under sterile conditions followed by extensive dialysis and purification steps.
Gene ID:	280717

UniProt: P02769

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

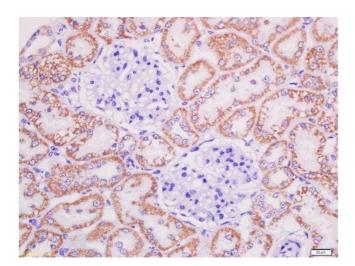
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

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Handling	
	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Huang, Huang, Xie, Wang, Chen, Shen, Liu, Huang: "Sirt1 resists advanced glycation end products-induced expressions of fibronectin and TGF-β1 by activating the Nrf2/ARE pathway in glomerular mesangial cells." in: Free radical biology & medicine , Vol. 65, pp. 528-40, (2013) (PubMed).
	Ye, Yang, Kong, Han, Zhang, Zhang, Li, Liu, Shi, Xiong, Zhao: "Ginsenoside Rd attenuates early oxidative damage and sequential inflammatory response after transient focal ischemia in rats." in: Neurochemistry international , Vol. 58, Issue 3, pp. 391-8, (2011) (PubMed).
	Lu, Peng, Wang, Wang, Chen, Shen: "Effects of atorvastatin on progression of diabetic nephropathy and local RAGE and soluble RAGE expressions in rats." in: Journal of Zhejiang

University. Science. B, Vol. 12, Issue 8, pp. 652-9, (2011) (PubMed).

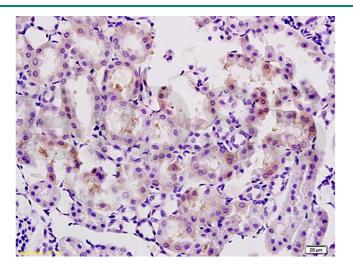
Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded rat kidney, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with AGEs Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C, followed by a conjugated secondary and DAB staining.

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Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat kidney tissue labeled with Anti-AGEs Polyclonal Antibody, Unconjugated (ABIN738516) at 1:200 followed by conjugation to the secondary antibody and DAB staining

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