abcam

Product datasheet

Anti-AGE antibody ab23722

6 Abreviews 101 References 1 图像

概述

产品名称	Anti-AGE抗体
描述	兔多克隆抗体to AGE
宿主	Rabbit
经测试应用	**适用于:** IHC-Fr, WB, IHC-P, ICC/IF, ELISA
种属反应性	**与反应:** Species independent
免疫原	Full length protein corresponding to Human AGE conjugated to bovine serum albumin. Native protein (Peptide available as **ab129535**)
常规说明	ab23722 is suitable for the detection of different AGE products in tissues, tissue extracts and body fluids. 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. 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

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.15 Preservative: 0.05% Sodium azide Constituents: 0.134% PBS, 0.85% Sodium chloride
纯度	Protein A purified
Primary antibody说明	ab23722 is suitable for the detection of different AGE products in tissues, tissue extracts and body fluids.
克隆	多克隆

同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab23722于以下的经测试应用

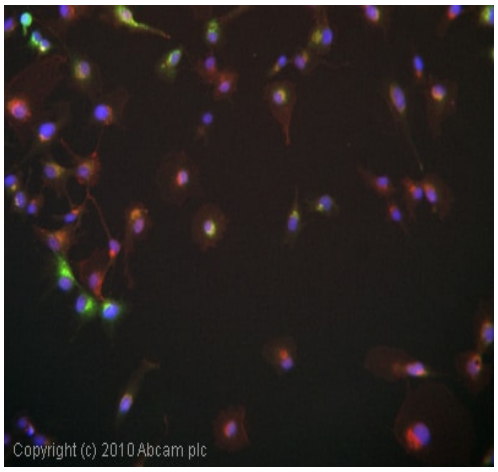
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr	★★★★☆ (1)	Use at an assay dependent concentration.
WB	★★★★☆ (2)	Use at an assay dependent concentration.
IHC-P	★★★★☆ (3)	Use at an assay dependent concentration. PubMed: 19223295
ICC/IF		Use a concentration of 5 µg/ml.
ELISA		Use a concentration of 1 µg/ml.

靶标

相关性	The non enzymatic reaction of reducing carbohydrates with lysine side chains and N terminal amino groups of macromolecules (amino acids, proteins, phospholipids and nucleic acids) is called the Maillard reaction or glycation. The latter products of this process, termed advanced glycation end products (AGEs), adversely affect the functional properties of proteins, lipids and DNA. In long lived tissue proteins, these chemical modifications accumulate with age and may contribute to the pathophysiology of ageing and long term complications of diabetes, atherosclerosis and renal failure.
细胞定位	Cell Membrane and Secreted

图片



Immunocytochemistry/ Immunofluorescence - Anti-AGE antibody (ab23722)

ICC/IF image of ab23722 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab23722, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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