

Anti-8-Hydroxy-2'-deoxyguanosine antibody [N45.1] ab48508

★★★★★ [9 Abreviews](#) [125 References](#) [3 图像](#)

概述

产品名称	Anti-8-Hydroxy-2'-deoxyguanosine抗体[N45.1]
描述	小鼠单克隆抗体[N45.1] to 8-Hydroxy-2'-deoxyguanosine
宿主	Mouse
特异性	Nineteen analogues of 8-Hydroxy-2'-deoxyguanosine {guanosine (G), 7-methyl-G, 6-SH-G, 8-bromo-G, dA, dC, dT, dI, dU, dG, O6-methyl-dG, 8-OHdA, guanine (Gua), O6-methyl-Gua, 8-OHGua, uric acid, Urea, creatine, creatinine} demonstrate no cross-reactivity. Only 8-sulfhydryl-G and 8-OHG demonstrate minimal cross-reactivity (less than 1%).
经测试应用	适用于: IHC-P
种属反应性	与反应: Species independent
免疫原	Chemical/ Small Molecule: 8-Hydroxy-2'-deoxyguanosine conjugated Keyhole Limpet Hemocyanin
阳性对照	Epidermis from hairless mouse treated for 4 weeks with chronic UVB irradiation, or kidney treated with Fe-NTA.
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 27th February 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Constituent: 0.41% PBS
纯度	Tissue culture supernatant

克隆	单克隆
克隆编号	N45.1
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab48508于以下的经测试应用

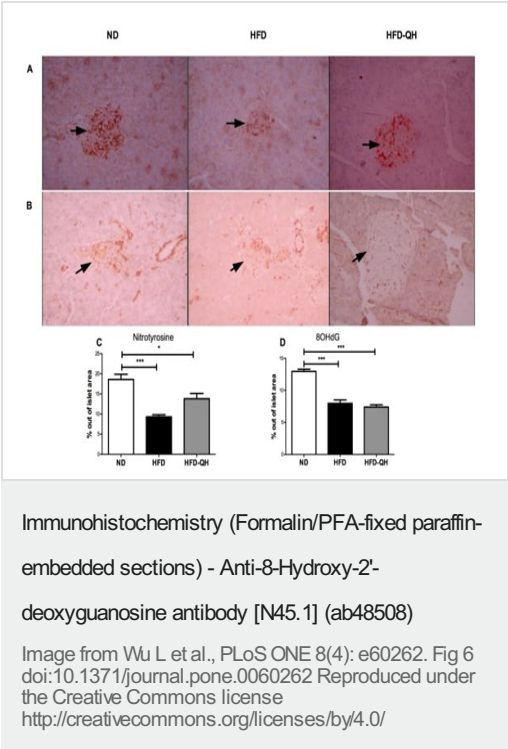
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★☆ (3)	Use a concentration of 5 - 10 µg/ml. Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol. For mouse on mouse staining we recommend using MOM kit - <u>ab127055</u> .

靶标

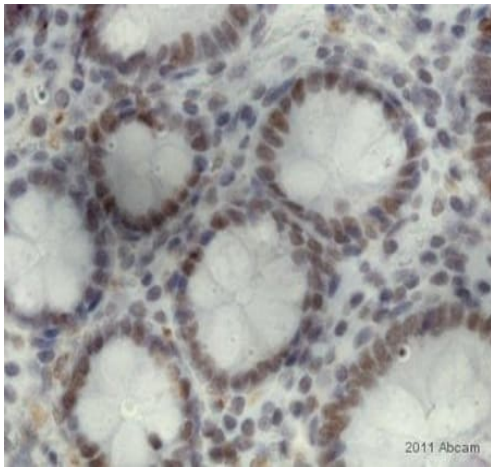
相关性 8-hydroxy-2'-deoxyguanosine is a biomarker of oxidative DNA damage.

图片



De-paraffinized and dehydrated sections were treated in a microwave oven at low power for 10 min in 0.01 M sodium citrate buffer (pH 6.0) to retrieve antigen, and inactivated endogenous peroxidase using 3% hydrogen peroxide in methanol for 10 min, and blocked with blocking solution for 1 hour at room temperature. Sections were then incubated with 1 : 20 dilution of mouse monoclonal antibody to 8-Hydroxy-2'-deoxyguanosine (ab48508) overnight at 4°C. For detection, a biotinylated anti-mouse and HRP-labeled Streptavidin, and staining with DAB was used.

Immunohistochemical staining of nitrotyrosine (A) and 8-hydroxy-2'-deoxyguanosine (B) was performed on 5 rats randomly chosen from each group (ND: chow diet group, HFD: High fat diet, HFD-QH: High fat diet treated with Qing Huo Yi Hao" (QHYH)). An islet is encircled in each quadrant. Black arrows point to islets of Langerhans (Original magnification ×200). Percentage of immunohistochemical positive staining area in islet out of the area of corresponding islet (C, D) was presented. Values and bars represent means±SEM. * and ** denote *P*<0.05 and *P*<0.001 versus group ND.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-8-Hydroxy-2'-deoxyguanosine antibody [N45.1] (ab48508)

This image is courtesy of an Abreview submitted by Rudolf Jung

ab48508 staining 8-Hydroxy-2'-deoxyguanosine in human colon tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a TE buffer. Samples were incubated with primary antibody (1/50) for 30 mins at 20°C. A HRP-conjugated Goat anti-mouse IgG was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-8-Hydroxy-2'-deoxyguanosine antibody [N45.1] (ab48508)

Ab48508, at a concentration of 5 µg/ml, staining 8-Hydroxy-2'-deoxyguanosine in epidermis from hairless mouse after 4 weeks of treatment by chronic UVB irradiation.

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