

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

★★★★★ **9 Abreviews** **125 References** 画像数 3

製品の概要

| | |
|--------------|---|
| 製品名 | Anti-8-Hydroxy-2'-deoxyguanosine antibody [N45.1] |
| 製品の詳細 | Mouse monoclonal [N45.1] to 8-Hydroxy-2'-deoxyguanosine |
| 由来種 | Mouse |
| 特異性 | 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%). |
| アプリケーション | 適用あり: IHC-P |
| 種交差性 | 交差種: Species independent |
| 免疫原 | Chemical/ Small Molecule: 8-Hydroxy-2'-deoxyguanosine conjugated Keyhole Limpet Hemocyanin |
| ポジティブ・コントロール | Epidermis from hairless mouse treated for 4 weeks with chronic UVB irradiation, or kidney treated with Fe-NTA. |
| 特記事項 | <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> |

製品の特性

| | |
|-------|---|
| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| バッファー | Constituent: 0.41% PBS |
| 精製度 | Tissue culture supernatant |

| | |
|--------|---------|
| ポリ/モノ | モノクローナル |
| クローン名 | N45.1 |
| アイソタイプ | IgG1 |
| 軽鎖の種類 | kappa |

アプリケーション

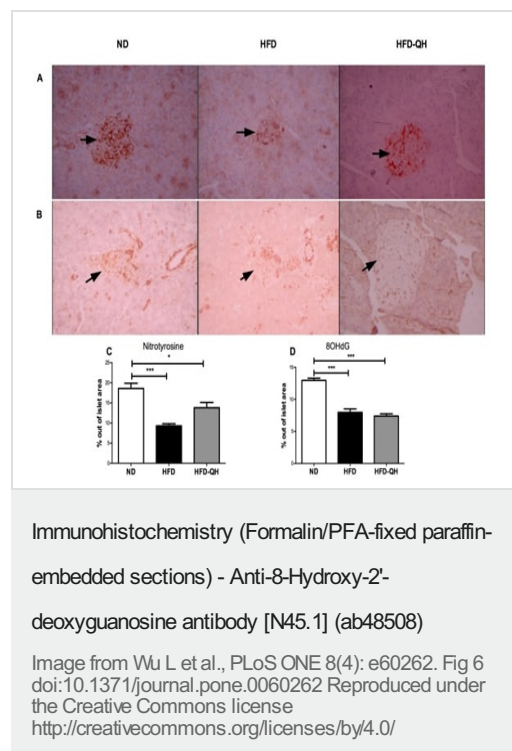
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab48508の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|--|
| 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> . |

ターゲット情報

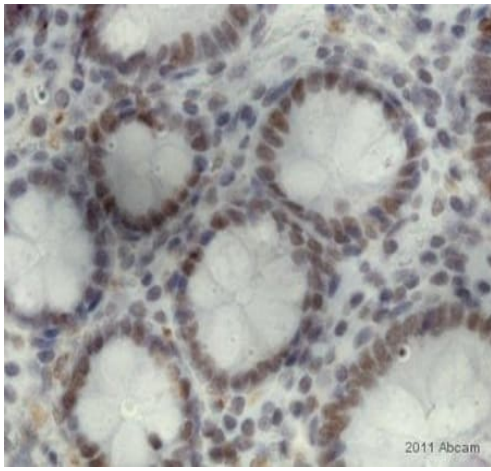
関連性 8-hydroxy-2'-deoxyguanosine is a biomarker of oxidative DNA damage.

画像



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.

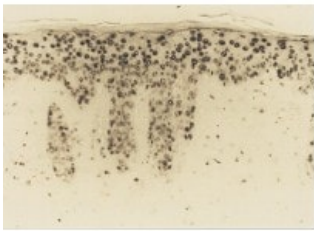
Immunohistochemical staining of nitrotyrosine (A) and 8-hydroxy-2'-deoxyguanosine (B) was performed on 5 rats randomly chosen from each group (ND: chow diet group, HFD: High fat diet, HFD-QH: High fat diet treated with Qing Huo Yi Hao" (QH)). An islet is encircled in each quadrant. Black arrows point 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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