

bs-1278R**[Primary Antibody]****8-OHdG Rabbit pAb****BioSS**
ANTIBODIES

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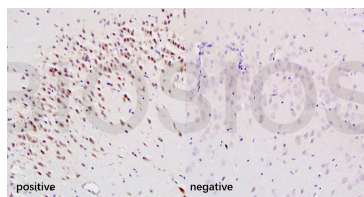
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal Target: 8-OHdG Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: 8-Hydroxydeoxyguanosine (8OHdG) is a modified base that occurs in DNA due to attack by hydroxyl radicals that are formed as byproducts and intermediates of aerobic metabolism and during oxidative stress. There is increasing evidence to support the involvement of free radical reactions in the damage of biomolecules that eventually lead to several diseases in humans, such as atherosclerosis, cerebral and heart ischemia-reperfusion injury, cancer, rheumatoid arthritis, inflammation, diabetes, aging, and neurodegenerative conditions, such as Alzheimer's disease.	Isotype: IgG Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Species independent Predicted MW.: 0.283 kDa Subcellular Location: Nucleus
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— VALIDATION IMAGES —

Tissue/cell: rat brain tissue(left panel was injury,Right panel was normal); 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-8-OHdG Polyclonal Antibody, Unconjugated(bs-1278R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=44.5]** Mary-Kate Hayward. et al. Tissue tension fosters macrophage-driven lipid peroxidation-induced DNA damage. CANCER CELL. 2026 Apr IF ;Mouse. 42066761
- **[IF=30.9]** Hang Zhang. et al. The foam cell-derived exosomes exacerbate ischemic white matter injury via transmitting metabolic defects to microglia. CELL METAB. 2025 May IF ;Mouse. 40345179
- **[IF=30.9]** Jae-Hun Lee. et al. Oxidative stress-induced astrocytic collagen biosynthesis drives glial barrier formation and neuronal death in ischemic stroke. CELL METAB. 2026 Apr IF ;Monkey,Mouse. 42049021
- **[IF=30.083]** Davide Povero. et al. HILPDA promotes NASH-driven HCC development by restraining intracellular fatty acid flux in hypoxia. J HEPATOL. 2023 Apr;; IHC ;Mouse. 37061197

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=16.304]** Yi Luet al. Activation of NRF2 ameliorates oxidative stress and cystogenesis in autosomal dominant polycystic kidney disease. Sci Transl Med . 2020 Jul 29;12(554):eaba3613. IHC ;mouse. 32727915