

8-OHdG (DNA/RNA Damage) Rabbit pAb

Catalog Number: bs-1278R

Target Protein: 8-OHdG (DNA/RNA Damage)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Rat, Species independent

Predicted MW: 0.283 kDa

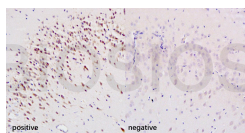
Purification: affinity purified by Protein A

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.

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

PRODUCT SPECIFIC PUBLICATIONS

[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

[IF=15.881] Yuan Chen. et al. Intrinsic Radical Species Scavenging Activities of Tea Polyphenols Nanoparticles Block Pyroptosis in Endotoxin-Induced Sepsis. *Acs Nano*. 2022;XXX(XXX):XXX-XXX IHC ; Mouse . 35133795

[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

[IF=15.1] Ping Zan. et al. Dry powder microneedle-enabled transdermal anti-inflammatory therapy for obesity, diabetes, hyperlipidemia, and fatty liver. *CHEM ENG J*. 2024 Mar;484:149395 IF ; Mouse . 10.1016/j.cej.2024.149395

[IF=15.1] Xiang Liu. et al. Traumatic brain injury-induced inflammatory changes in the olfactory bulb disrupt neuronal networks leading to olfactory dysfunction. *BRAIN BEHAV IMMUN*. 2023 Nov;114:22 IHC ; Mouse . 37557959