

8-OHdG (DNA/RNA Damage) Rabbit pAb

Catalog No: #C92950

Package Size: #C92950-1 100ul

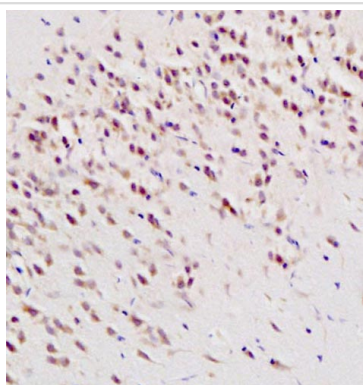
Description

Product Name	8-OHdG (DNA/RNA Damage) Rabbit pAb
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Protein A
Applications	ELISA, IHC, IF
Species Reactivity	Species independent
Immunogen Description	KLH conjugated 8-OHdG
Other Names	8-hydroxy-2'-deoxyguanosine; 2'-Deoxy-8-oxoguanosine; 7, 8-Dihydro-8-oxo-2'-deoxyguanosine; 8-Oxo-7, 8-dihydro-2'-deoxyguanosine; 8-Oxo-7, 8-dihydrodeoxyguanosine; 2'-Deoxy-8-oxo-D-guanosine; 8-Oxo-7, 8-dihydro-2'-deoxyguanosine; 8-Oxo-dG; 2'-Deoxy-8-hydroxyguanosine;
Concentration	1mg/ml
Formulation	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

IHC 1:100-500IF 1:50-200

Images



Formalin-fixed, paraffin-embedded rat brain tissue stained for 8-OHdG (DNA/RNA Damage) using C92950 at 1/200 dilution in immunohistochemical analysis.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.