

## 8-OHDG antibody

### Product Information

Catalog No.:	FNab11005
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.06% PC300 and 50% glycerol pH 7.3, -20°C for 12 months (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.

### Immunogen information

Immunogen:	KLH conjugated 8-OHdG
Synonyms:	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-2µ-deoxyguanosine,8-Oxo-dG 2'-Deoxy-8-hydroxyguanosine

### Application

Reactivity:	Species independent
Tested Application:	IHC, IF
Recommended dilution:	IHC: 1:50 - 1:500; IF: 1:50 - 1:200