



Anti-8-Hydroxyguanosine polyclonal antibody (DPAB1539)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	8-Hydroxy-2'-deoxyguanosine and 8-hydroxyguanosine
Immunogen	8-Hydroxyguanosine-conjugate
Source/Host	Goat
Species Reactivity	N/A
Purification	Not applicable
Conjugate	Unconjugated
Applications	Suitable for use in ELISA using immunizing peptide (>1:250,000) and IHC using formalin-fixed, paraffin-embedded sections (1:200). Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Neat, Liquid
Concentration	Not determined
Size	200 µl
Buffer	Not applicable
Preservative	0.1% Sodium Azide
Storage	Short-term store at 2-8°C. Long term store at -20°C. Avoid multiple/freeze thaw cycles.

BACKGROUND

Introduction

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.

Keywords

8-Hydroxydeoxyguanosine; 8 hydroxyguanine; 8 hydroxyguanosine; 8 OHG; 8-OHG; 8OG; 8OHdG; 8OHG