SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-8-OHdG Monoclonal Antibody

Catalog Number: SLA0336M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgM, k
Clonality:	Monoclonal
Clone No.:	10E7
GeneID:	88847-89-6
Target:	8-OHdG
Immunogen:	KLH conjugated 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℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:2000-10000) IHC-F (1:2000-10000) IF (1:2000-10000) ELISA (1:1000-10000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Species independent
Predicted MW.:	0.283 kDa
Subcellular Location:	Nucleus
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.

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

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[VALIDATION IMAGES]

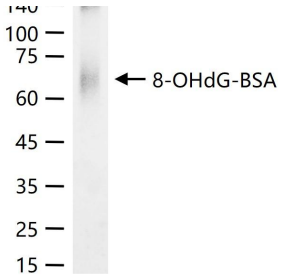


Figure 1. 200 ng 8-OHdG-BSA protein (SL1278PB) per lane probed with DNA/RNA Damage monoclonal antibody respectively, unconjugated (SLA0336M) at 1:1000 dilution and 4°C overnight incubation. Followed by corresponding conjugated secondary antibody incubation at r.t. for 60 min.

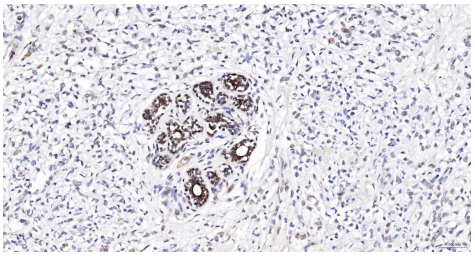


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with 8-OHdG (DNA/RNA Damage) Monoclonal Antibody, Unconjugated (ascites of SLA0336M) at 1:5000 overnight at 4°C, followed by conjugation to the SL0368G-HRP and DAB (C-0010) staining.

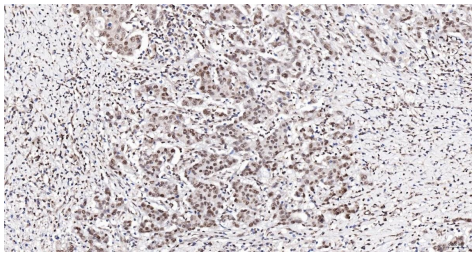


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with 8-OHdG (DNA/RNA Damage) Monoclonal Antibody, Unconjugated (ascites of SLA0336M) at 1:5000 overnight at 4°C, followed by conjugation to the SL0368G-HRP and DAB (C-0010) staining. FOR RESEARCH USE ONLY. Not for use in diagnostic or therapeutic procedures.

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