SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-4 Hydroxynonenal antibody

Catalog Number: SL6313R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	4 Hydroxynonenal
Immunogen:	KLH conjugated 4-Hydroxynonenal
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 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Species independent
Predicted MW.:	0.156kDa
Subcellular Location:	cytoplasmic
Background:	Reactive oxygen and nitrogen species (ROS/RNS) have taken center stage in the field of signal transduction. The enzymes responsible for the production of ROS and RNS have been unraveled and the participation of these species in numerous signaling pathways has been documented. The next step is to identify the targets of ROS and RNS and the mechanisms by which they alter their activity in the affected signaling pathway. This book provides relevant chemistry that can be applied across signaling systems and summarizes the current state of knowledge in the area of redox signaling. ROS and RNS have been implicated in inflammation, aging and cancer. **Subcellular Location:** Cytoplasmic **SWISS:** N/A CAS: N/A

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]

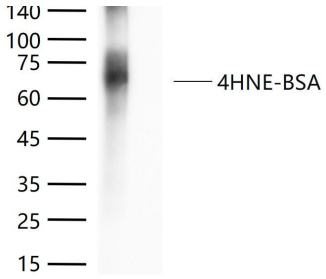


Figure 1. Sample: Lane 1: 4HNE-BSA (50ng) Lane 2: BSA (50ng) Primary: Anti-4 Hydroxynonenal (SL6313R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 0.156 kDa Observed band size: 66 kDa

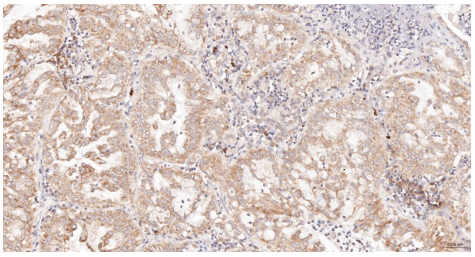


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human lung cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with 4 Hydroxynonenal Polyclonal Antibody, Unconjugated (SL6313R) at 1:1000 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

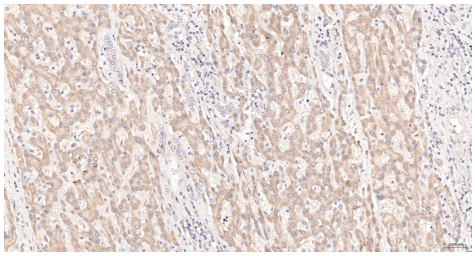


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human liver cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with 4 Hydroxynonenal Polyclonal Antibody, Unconjugated (SL6313R) at 1:1000 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

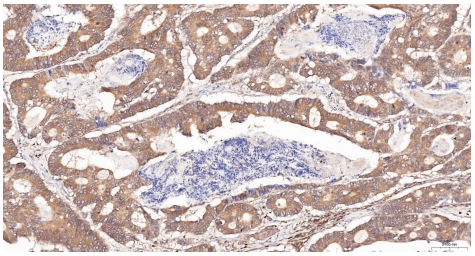


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human colon cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with 4 Hydroxynonenal Polyclonal Antibody, Unconjugated (SL6313R) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining

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