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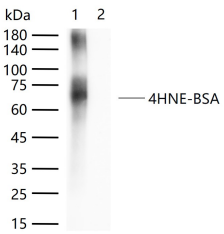
4 Hydroxynonenal Rabbit pAb

Catalog Number:	bs-6313R
Target Protein:	4 Hydroxynonenal
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	4-Hydroxynonenal
Predicted MW:	0.156 kDa
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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.

VALIDATION IMAGES



Sample: Lane 1: 4HNE-BSA (50ng) Lane 2: BSA (50ng) Primary: Anti-4 Hydroxynonenal (bs-6313R) 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

PRODUCT SPECIFIC PUBLICATIONS

[IF=38.104] Yuan Ye. et al. Exosomes secreted from cardiomyocytes suppress the sensitivity of tumor ferroptosis in ischemic heart

failure. SIGNAL TRANSDUCT TAR. 2023 Mar;8(1):1-15 IHC ; Mouse . 36967385

[IF=31.743] Hannah N. Bell. et al. Reuterin in the healthy gut microbiome suppresses colorectal cancer growth through altering redox balance. Cancer Cell. 2021 Dec;: IF ; Mouse . 34951957

[IF=16.6] Lin Peihua. et al. An artificial protein modulator reprogramming neuronal protein functions. NAT COMMUN. 2024 Mar;15(1):1-16 IF ; Mouse . 38448420

[IF=16.019] Spinetti G et al. microRNA-21/PDCD4 Proapoptotic Signaling From Circulating CD34+ Cells to Vascular Endothelial Cells: A Potential Contributor to Adverse Cardiovascular Outcomes in Patients With Critical Limb Ischemia. Diabetes Care 2020 07;437(7) IF ; Human . 32358022

[IF=15.8] Qianqian Xie. et al. Discovery of Lipoxygenase-Like Materials for Inducing Ferroptosis. ACS NANO. 2024;18(47):32438–32450 IHC ; Mouse . 39532303