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Rabbit Anti-4 Hydroxynonenal antibody

SL6313R

Product Name:	4 Hydroxynonenal
Chinese Name:	4羟基壬烯酸抗体
Alias:	4-Hydroxy-2-Nonenal; 4Hydroxynonenal; 4-Hydroxynonenal; 4 HNE; 4HNE; 4-HNE; (E)-4-Hydroxynonenal-dimethylacetal; 4-HNE-DMA.
文献引用 PubMed :	**Specific References(6)**|SL6313R has been referenced in 6 publications. **[IF=2.75]**Guo, Chao, et al. "Neuroprotective effect of calycosin on cerebral ischemia and reperfusion injury in rats." Journal of Ethnopharmacology (2012).**IHC-P;Rat**. PubMed:23123262 **[IF=3.97]**Hong Duong, T. T., et al. "Pre-Treatment With The Synthetic Antioxidant T-Butyl Bisphenol Protects Cerebral Tissues From Experimental Ischemia Reperfusion Injury." Journal of Neurochemistry (2014).**IHC-P;Rat**. PubMed:24766199 **[IF=12.81]**Haberman, Yael, et al. "Pediatric Crohn disease patients exhibit specific ileal transcriptome and microbiome signature." The Journal of Clinical Investigation 124.124 (8) (2014): 0-0.**IHC-P;Human**. PubMed:25003194 **[IF=2.43]**Zhang, Jing-Yao, et al. "Hydrogen-rich water protects against acetaminophen-induced hepatotoxicity in mice." World Journal of Gastroenterology 21.14 (2015): 4195-4209.**IHC-P;Mouse**. PubMed:25892869 **[IF=2.11]**Kagaya, Kenta, et al. "Involvement of oxidative stress in increased peripheral nerve firing during spontaneous dysesthesia in a mouse model of ischemia-

	reperfusion." Neuroscience Letters (2016).**other;Mouse**. PubMed:27555434 **[IF=3.54]**Sapkota, Arjun, et al. "Eupatilin exerts neuroprotective effects in mice with transient focal cerebral ischemia by reducing microglial activation." PloS one 12.2 (2017): e0171479.**IHC-F;Mouse**. PubMed:28178289
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	4-Hydroxynonenal
Applications:	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	0.20229kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated to 4 Hydroxynonenal:
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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:** 18286-49-2

	Database links: CAS Number: 18286-49-2 **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.