Datasheet for ABIN335414

anti-HNE antibody

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Overview

Quantity:	100 µg
Target:	HNE
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HNE antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	4-Hydroxy-2-nonenal (4HNE) modified keyhole limpet hemocyanin.
Clone:	HNEJ-2
Isotype:	IgG1 kappa
Specificity:	Specific for 4HNE-Lysine, 4-HNE-histidine and 4-HNE cysteine adduct.By inhibition test, this antibody has a much higher affinity for the 4-HNE-histidine adduct than 4-HNE-lysine or 4-HNE cysteine adduct. This antibody show almost negligible reactivity with proteins that were treated with other aldehydes, such as 2-nonenal, 2-hexenal, 1-hexanal, 4-hydroxy-2-hexenal, formaldehyde, or glutaraldehyde. By inhibition test, this antibody shows a much higher affinity for the 4-HNE-histidine adduct than 4-HNE-lysine or 4-HNE-cysteine adduct.
Purification:	Ammonium sulphate purified IgG

Target Details

Target:	HNE
Abstract:	HNE Products
Target Type:	Chemical

Application Details

Application Notes:	Immunohistochemistry [ref.1] (Recommended concentration: 25 ug/mL IgG). Western blotting [ref.2] (Recommended concentration: 15 ug/mL IgG) User should determine optimum titer for each application.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with 1000µL of distilled water.
Buffer:	100ug/mL IgG in 50 mM Tris buffered saline (TBS).
Storage:	-20 °C

Publications

Product cited in:

Miyake, Tanabe, Tanimura, Nakashima, Morioka, Masuda, Sugiyama, Sato, Wada: "Genetic Deletion of Vasohibin-2 Exacerbates Ischemia-Reperfusion-Induced Acute Kidney Injury." in: **International journal of molecular sciences**, Vol. 21, Issue 12, (2020) (PubMed).

Kanbara, Ohkawara, Nakashima, Ohta, Koshimizu, Inoue, Tomita, Ito, Masuda, Ishiguro, Imagama, Ohno: "Zonisamide ameliorates progression of cervical spondylotic myelopathy in a rat model." in: **Scientific reports**, Vol. 10, Issue 1, pp. 13138, (2020) (PubMed).

Hosohata, Jin, Takai, Iwanaga: "Vanin-1 in Renal Pelvic Urine Reflects Kidney Injury in a Rat Model of Hydronephrosis." in: **International journal of molecular sciences**, Vol. 19, Issue 10, (2019) (PubMed).

Paka, Smith, Jung, McCormack, Zhou, Duan, Li, Shi, Hao, Jiang, Yamin, Goldberg, Narayan: "Anti-steatotic and anti-fibrotic effects of the KCa3.1 channel inhibitor, Senicapoc, in non-alcoholic liver disease." in: **World journal of gastroenterology**, Vol. 23, Issue 23, pp. 4181-4190, (2018) (

Publications

PubMed).

Uneda, Wakui, Maeda, Azushima, Kobayashi, Haku, Ohki, Haruhara, Kinguchi, Matsuda, Ohsawa, Minegishi, Ishigami, Toya, Atobe, Yamashita, Umemura, Tamura: "Angiotensin II Type 1 Receptor-Associated Protein Regulates Kidney Aging and Lifespan Independent of Angiotensin. " in: **Journal of the American Heart Association**, Vol. 6, Issue 8, (2018) (PubMed).

There are more publications referencing this product on: Product page

Images

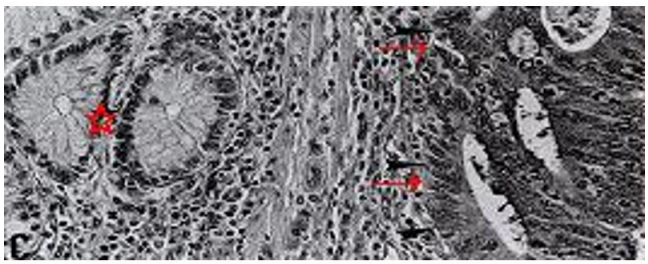

Image 1.