Anti-4-Hydroxy-2-nonenal (4-HNE) Monoclonal Antibody (HNEJ-2)

抗 4-Hydroxy-2-nonenal モノクローナル抗体(HNEJ-2)

Catalog No. : MHN-100P

Lot No.	014
Expiration	2026/11

Content: 100 µg of IgG / vial. Lyophilized powder.

Clone No. : HNEJ-2

Immunogen: 4-Hydroxy-2-nonenal (4-HNE)-modified keyhole limpet hemocyanine.

Subclass: Mouse $IgG_{1\ kappa}$, Prepared as ascite, and ammonium sulfate purified.

Application: Immunohistochemistry (Recommended concentration: 25 µg/mL IgG)
Western blotting (Recommended concentration: 15 µg/mL IgG)

Reconstitution: Reconstitute with 1000 µL of distilled water.

Buffer Concentration: 100 µg/mL IgG in 50mM Tris-buffered saline (TBS).

Specificity: Specific for 4-HNE-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.

Storage: Store at less than -20℃.
After reconstitution, store as frozen aliquots and avoid repeated freeze & thaw.

Stability: 5 years at -20℃.

References:
1) T.Tanaka et al. Laboratory Investigation 77(2), p145-155 (1997)
2) S.Toyokuni et al. FEBS Letters 359, p189-191 (1995)

For research use only, not for diagnostic use.

JAPAN INSTITUTE FOR THE CONTROL OF AGING (JaICA)
710-1 Haruoka, Fukuroi, Shizuoka, 437-0122 Japan
TEL：+81-538-49-0125 FAX：+81-538-49-1267
WEB：http://www.jaica.com E-mail：biotech@jaica.com