



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-020P
Content:	20 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 200 µL of distilled water.
Buffer Concentration:	100 µg/mL IgG in 50 mM 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°C. After reconstitution, store as frozen aliquots and avoid repeated freeze & thaw.
Stability:	5 years at -20°C.
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.



COSMO BIO CO., LTD.

Inspiration for Life Science

TOYO EKIMAE BLDG. 2-20, TOYO 2-CHOME, KOTO-KU, TOKYO 135-0016 JAPAN

URL: <http://www.cosmobio.com>

e-mail: export@cosmobio.co.jp

[International/Outside Japan] Phone: +81-3-5632-9617 [国内連絡先]Phone: 03-5632-9610

FAX: +81-3-5632-9618

FAX: 03-5632-9619