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

Code: **MHN-100P**
(100µg of IgG, Lyophilized powder)
MHN-020P
(20µg of IgG, Lyophilized powder)

Source: **Mouse**

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

Subclass: IgG1 (κ)

Applications: Immunohistochemistry [see ref.1]
(Recommended concentration: 25 μ g/mL IgG)

Western blotting [see ref.2]
(Recommended concentration: 15 μ g/mL IgG)

Reconstitution: MHN-100P: Dissolve in 1mL of distilled water.
MHN-020P: Dissolve in 1mL of distilled water.

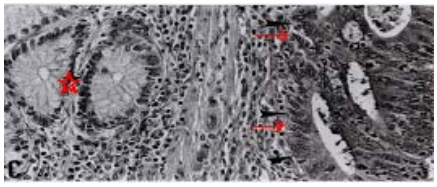
Buffer Concentration: 100 μ g/mL IgG in 50mM Tris-buffered saline (TBS).

Specificity: 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 has a much higher affinity for the 4-HNE-histidine adduct than 4-HNE-lysine or 4-HNE cysteine adduct.

Storage: Store at less than -20℃.
Avoid repeated freeze & thaw after reconstitution.
For short term storage or transport, storage at 4℃ is acceptable.

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)



4-Hydroxy-2-Nonenal
Immunohistochemcal detection of 4-HNE in colorectal carcinoma cells. Adenocarcinoma (arrows) and non tumorous epithelial cells (star). (S. Kondo, et al.:Free Radical Biology & Medicine 27, p401-410, 1999)

For research use only, not for diagnostic use.

Manufacturer
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