Data Sheet

4-HYDROXY-2-HEXENAL (4-HHE)
ANTIBODY, MONOCLONAL

Catalog no.: AA1010.1
Immunogen: HHE-modified KLH
Host: Mouse Balb/c
Clone no.: HHE53
Isotype: IgG1 kappa
Matrix: Ascites, Protein A purified, 10 mM PBS, 0.1% NaN3, 0.5% BSA
Specificity: HHE-modified protein, especially HHE-histidine Michael adduct

Contents: 30 µg (frozen); 100 µg/ml)
Known applications: ELISA (50 ng/ml)1,2; Western Blot (1 µg/ml)3; immunohistochemistry (paraffin sections, 0.5 - 1 µg/ml; cryosections)1,2

This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.

Store at: 2-8 °C (short-term storage); -20 °C (long-term storage)

Repeated thawing and freezing must be avoided

References:
Figure 2: Immunohistochemistry image of HHE-histidine adduct staining in paraffin sections of spinal cords of amyotrophic lateral sclerosis (ALS) patients. Endogenous peroxidase activity was quenched by incubating the section for 10 min with 3% hydrogen peroxide. The section was incubated with AA1010 and detected using avidin-biotin immunoperoxidase complex method and the Vectastain ABC kit (Vector Laboratories). A. Spinal cord from a control patient remained unstained. In ALS patients, HHE-reactivity was found in B. cytoplasm of lower motor neurons (open arrows), C. reactive astrocytes (closed arrows), and D. microglial cell arrowheads. Scale bar = 50 μm.

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