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Cat. Number : MDAAB00003

Malondialdehyde Monoclonal Antibody

DATA SHEET

Host:	Mouse
Target Protein:	Malondialdehyde (MDA) 11E3
Immunogen Range:	251-350/527
Clonality:	11E3 Monoclonal
Isotype:	IgG1
Entrez Gene:	-
Swiss Prot:	-
Source:	KLH conjugated synthetic peptide derived from MAlondialdehyde
Purification:	Purified by Protein A.
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Malondialdehyde (MDA) is the biomarker in greatest diagnostic use, due to its molecular stability. This three-carbon, low-molecular weight aldehyde has a strong affinity for amino acids, which results in adduct formation to both free amino acids and proteins. Increased MDA levels have been found at correlating levels in breast cancer, and lung cancer patients. Other diseased states with elevated MDA levels include diabetes and Alzheimer's disease. Multiple laboratory techniques exist for quantification of MDA levels, including the thiobarbituric acid reactive substances (TBARS) assay. In addition to use as a biomarker, MDA has been shown to have mutagenic effects on tissues themselves as adduct formation can result in DNA crosslinking.

Size:100ul

Concentration:1ug/ul

Applications:WB(1:300-5000)
ELISA(1:500-1000)
IHC-F(1:100-500)
IF(IHC-P)(1:50-200)
IF(ICC)(1:50-200)

Predicted Molecular Weight:60 kDa

Cross Reactive Species:
Chemical

Predicted Cross Reactive Species:
Human
Mouse
Rat
Horse

For research use only. Not intended for diagnostic or therapeutic use

REFERENCE OF PUBLICATION

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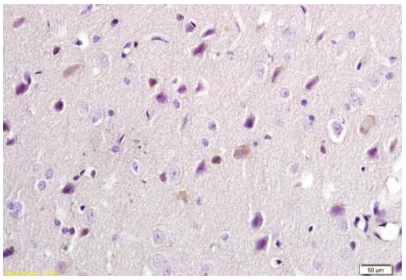
IMAGES



Formalin-fixed and paraffin embedded rat colon labeled with Anti malondialdehyde Polyclonal Antibody, Unconjugated followed by conjugation to the secondary antibody and DAB staining

Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation
Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh- Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.