

4 Hydroxynonenal antibody [12F7]

Cat. No. GTX17571

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	WB, ICC/IF, IHC-P, IHC-Fr, ELISA
Reactivity	Species independent

Reference (3)

Package

100 µg

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000
ICC/IF	1:50
IHC-P	Assay dependent
IHC-Fr	Assay dependent
ELISA	1:1000

Not tested in other applications.

Product Note

Does not detect free 4-Hydroxynonenal. Does not cross-react with 4-Hydroxy-2-hexenal, Acrolein, Crotonaldehyde, Hexanoyl Lysine, Malondialdehyde

PROPERTIES

Form	Liquid
Buffer	PBS, 50% Glycerol
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Synthetic 4-Hydroxynonenal modified Keyhole Limpet Hemocyanin (KLH).
Purification	Protein G Purified
Conjugation	Unconjugated



For full product information, images and publications, please visit our [website](#).

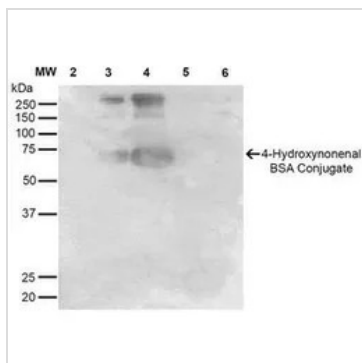
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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTx17571 WB Image

WB analysis of 4-hydroxy-nonenal-BSA using GTx175714 Hydroxynonenal antibody [12F7].

Lane 1 : Molecular Weight Ladder (MW)

Lane 2 : BSA (0.5 µg)

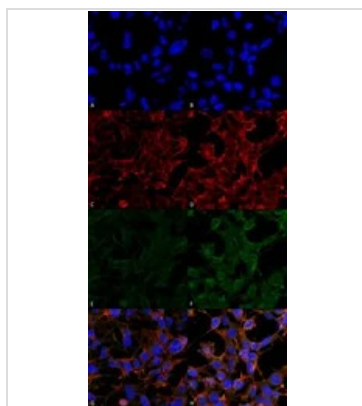
Lane 3 : 4-hydroxyl nonenal-BSA (0.5 µg)

Lane 4 : 4-hydroxy nonenal-BSA (2.0 µg)

Lane 5 : 4-hydroxy-2-hexenal (0.5 µg)

Lane 6 : 4-hydroxy-2-hexenal (2.0 µg)

Dilution : 1:1000 for 2 hours at RT



GTx17571 ICC/IF Image

ICC/IF analysis of HEK293 cells treated(B,D,F,H) or untreated(A,C,E,G) with 50 µM H₂O₂ using GTx175714 Hydroxynonenal antibody [12F7].

Green : Primary antibody

Red : F-Actin

Blue : DAPI

Dilution : 1:50 for 30-60 min at RT

Fixation : 5% Formaldehyde for 5 min



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