

4 Hydroxynonenal antibody [12F7]

Cat. No. GTX17571

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

References (5)

Package

100 µg

Applications

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



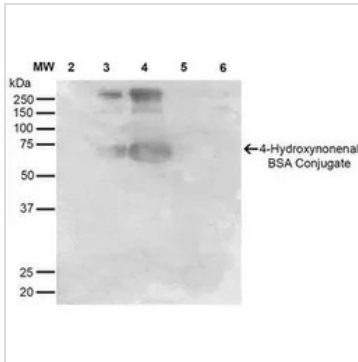
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Note

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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)

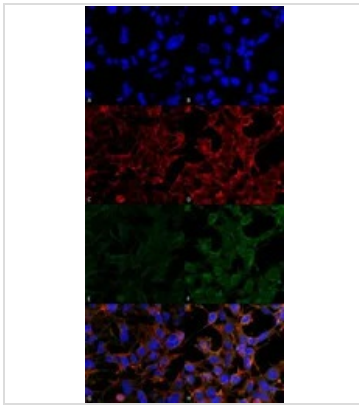
Lane 3 : 4-hydroxyl nonenal-BSA (0.5 µg)

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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