

## 4 Hydroxynonenal antibody [12F7]

**Cat. No. GTX17571**

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

References ( 6 )

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

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 50% Glycerol
<b>Preservative</b>	0.09% Sodium azide
<b>Storage</b>	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.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Synthetic 4-Hydroxynonenal modified Keyhole Limpet Kemocyanin (KLH).
<b>Purification</b>	Protein G Purified
<b>Conjugation</b>	Unconjugated



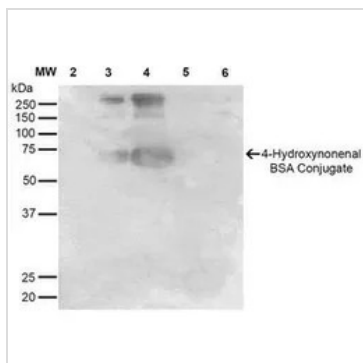
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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**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  $\mu$ g)

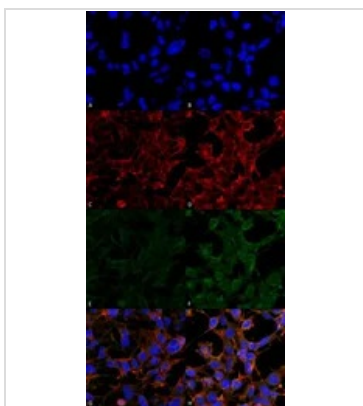
Lane 3 : 4-hydroxyl nonenal-BSA (0.5  $\mu$ g)

Lane 4 : 4-hydroxy nonenal-BSA (2.0  $\mu$ g)

Lane 5 : 4-hydroxy-2-hexenal (0.5  $\mu$ g)

Lane 6 : 4-hydroxy-2-hexenal (2.0  $\mu$ g)

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  $\mu$ M H<sub>2</sub>O<sub>2</sub> 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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