

Product datasheet

Anti-4 Hydroxynonenal antibody ab46544

15 References

Overview

Product name	Anti-4 Hydroxynonenal antibody
Description	Goat polyclonal to 4 Hydroxynonenal
Host species	Goat
Specificity	This antibody specifically binds to HNE modified proteins.
Tested applications	Suitable for: IHC-Fr, ELISA, WB
Immunogen	HNE conjugated to KLH

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 0.2% PBS, 0.435% Sodium chloride, 30% Glycerol
Purification notes	Antibody was purified by HNE modified Protein-Sepharose affinity column.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab46544** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		Use at an assay dependent concentration. PubMed: 24932583
ELISA		1/4000 - 1/32000.
WB		1/4000 - 1/32000. Predicted molecular weight: 10 kDa.

Target

Relevance	Aldehydic products of lipid peroxidation, such as 4-hydroxynonenal (4-HNE), have been implicated in the etiology of pathological changes under oxidative stress as a key mediator of oxidative stress-induced cell death. It is a stable product of lipid peroxidation, is proarrhythmic and may contribute to the cytotoxic effects of oxidative stress.
Cellular localization	Cytoplasmic

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