Product datasheet

Anti-4 Hydroxynonenal antibody ab46544

20 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 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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-Fr</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 24932583</td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td>1/4000 - 1/32000.</td>
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<tr>
<td>WB</td>
<td></td>
<td>1/4000 - 1/32000. Predicted molecular weight: 10 kDa.</td>
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</tbody>
</table>
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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