



[Go to Product page](#)

Datasheet for ABIN880506  
**anti-HNE antibody (AbBy Fluor® 350)**

### Overview

|              |   |
|--------------|---|
| Quantity:    | 100 µL  |
| Target:      | HNE   |
| Host:        | Rabbit  |
| Clonality:   | Polyclonal  |
| Conjugate:   | This HNE antibody is conjugated to AbBy Fluor® 350                              |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                             |                                    |
|-----------------------------|------------------------------------|
| Immunogen:                  | 4 Hydroxynonenal conjugated to BSA |
| Isotype:                    | IgG                                |
| Cross-Reactivity:           | Monkey, Mouse, Rat                 |
| Cross-Reactivity (Details): | 4-Hydroxynonenal                   |
| Purification:               | Purified by Protein A.             |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | HNE   |
| Alternative Name: | 4 Hydroxynonenal ( <a href="#">HNE Products</a> )   |
| Target Type:      | Chemical  |
| Background:       | Synonyms: 4-Hydroxy-2-Nonenal, 4Hydroxynonenal, 4-Hydroxynonenal, 4 HNE, 4HNE, 4-HNE, E-4-Hydroxynonenal-dimethylacetal, 4-HNE-DMA. |

## Target Details

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Background: 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 4-HNE has been hypothesized to play a key role in cell signal transduction, in a variety of pathways from cell cycle events to cellular adhesion.

## Application Details

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Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months