

**AP00663SU-N****Polyclonal Antibody to 4-Hydroxy-2-Nonenal / HNE - Serum****Alternate names:**

4-HNE, 4-Hydroxynonenal, Hydroxynonenal

**Quantity:**

1 ml

**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.

**Host:**

Goat

**Format:**

**State:** Liquid serum containing 0.09% Sodium azide  
**Purification:** Serum

**Applications:**

ELISA using immunizing peptide: >1:10,000.  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody reacts to 4-Hydroxynonenal. Reactive with 4-HNE conjugated BSA. Has minimal cross reactivity with other aldehyde-BSA conjugates.

**Add. Information:**

Centrifuge before opening to ensure complete recovery of vial contents.

**Storage:**

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.

**General Readings:**

Boon, P.J.M., et al., (1999), Tox. Appl. Pharmacol., 159, 214-223.