

AP00764SU-N**Polyclonal Antibody to Nitrotyrosine - Serum****Alternate names:**

NO-Tyrosine, Nitro-Tyrosine

Quantity:

1 ml

Background:

The cellular production of highly reactive nitrogen species derived from nitric oxide, such as peroxynitrite, nitrogen dioxide and nitryl chloride, leads to the nitration of tyrosine residues in tissue proteins. The extent of protein nitrotyrosine formation provides an index of the production of reactive nitrogen species and potential cell damage over a period of time. Nitrotyrosine can be measured by amino-acid analysis of protein hydrolysates and detected, estimated semi-quantitatively and located in cells and tissues by immunocytochemical techniques using antibodies directed against the nitrotyrosine hapten.

Host:

Goat

Immunogen:

Pure nitrated Keyhole Limpet Hemocyanin (NY-KLH)1

Format:**State:** Liquid serum containing 0,09% sodium azide**Applications:**

Immunoblot: 20,000-160,000.

ELISA: 20,000-160,000.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody specifically binds to nitro-LDL and other nitrated proteins.

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:

1. Beckman, et al., (1994), Biological Chemistry Hoppe-Seyler, 375, 81
2. Haddad, et al., (1994), J. Clin. Invest., 94, 2407