

Polyclonal Antibody to Nitrotyrosine - Aff - Purified

Alternate names: NO-Tyrosine, Nitro-Tyrosine

Catalog No.: AP00764PU-N

Quantity: 1 mg

Concentration: 1.0 mg/ml (OD280nm, E0.1% = 1.35)

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)

Format: **State:** Liquid purified Ig fraction

Purification: Nitrated Protein-Sepharose Affinity Chromatography

Buffer System: 75mM PBS, pH 7.2 containing 75mM Sodium Chloride and 1mM EDTA and 0.02% Sodium Azide as preservative

Applications: Western Blot.

ELISA: 1/200-1/40,000.

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

Specificity: This antibody specifically binds to nitrate LDL and other nitrated proteins.

Can be used to detect Nitrotyrosine in plasma 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.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com