

RABBIT ANTI-NITROTYROSINE POLYCLONAL ANTIBODY

CATALOG NUMBER: AB5411

LOT NUMBER: XXXXXXXXX

QUANTITY: 100 µg

CONCENTRATION: 1 mg/mL

SPECIFICITY: Reacts with nitrotyrosine.

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.

IMMUNOGEN: Nitrated KLH.

APPLICATIONS: Western blot: 1:100-1:1,000 when tested against nitrated BSA and nitrated ovalbumin. Immunohistochemistry: 1:50-1:100 on paraffin embedded, 10% neutral buffer formalin fixed mouse liver (animal treated with Zymosan) and normal human cerebellum tissues. The tissues must be pretreated with heat induced epitope retrieval (HIER). Incubation with the AB5411 was for 10 minutes and the reaction was developed with the Chemicon IHC-Select, HRP-DAB kit (Catalog number DAB150). Optimal working dilutions must be determined by end user.

SPECIES REACTIVITIES: All species

FORMAT: Purified immunoglobulin.

PRESENTATION: Liquid containing 0.1% sodium azide.

STORAGE/HANDLING: Maintain at 2-8°C in undiluted aliquots for up to 6 months after date of receipt.

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

For research use only; not for use as a diagnostic.