

Mouse Nitrotyrosine Monoclonal Antibody

Anti-Nitrotyrosine Monoclonal Antibody

CATALOG # AAA47743	HOST Mouse	APPLICATIONS Immunoprecipitation, Immunohistochemistry, Immunoblot, Western Blot
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PRODUCT SYNONYMS

Nitrotyrosine; Monoclonal Antibody; Anti-Nitrotyrosine Monoclonal Antibody; anti-Nitrotyrosine antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Specificity	Nitrotyrosine [Mouse monoclonal antibody recognizes 3-nitrotyrosine moieties in human, mouse, rat, and dog samples.] This antibody recognizes 3-nitrotyrosine moieties in human, mouse, rat, and dog samples.
Form/Format	100ug in PBS, pH 7.4, purified by Protein G affinity chromatography.
Applicable Applications for anti-Nitrotyrosine antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), IB (Immunoblot)
Antigen	3-(4-hydroxy-3-nitrophenyl-acetamido) propionic acid conjugated to BSA.
Preservatives	0.09% sodium azide
Other Additives	50% glycerol
Dilutions Instructions	Dilute in PBS or medium which is identical to that used in the assay system.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Avoid repeated freezing and thawing.

ADDITIONAL INFORMATION

Related Product Information for anti-Nitrotyrosine antibody	Nitrotyrosine is a marker for inflammation and nitric oxide (NO) production and is formed in the presence of the active metabolite NO. While multiple nonenzymatic mechanisms are known to be capable of producing nitrated tyrosine residues, most tyrosine nitration events involve catalysis by metalloproteins such as myeloperoxidase, eosinophilperoxidase, myoglobin, the cytochrome P-450s, superoxide dismutase, and prostacyclin synthase. Because nitrotyrosine is a stable product of multiple pathways, such as the formation of peroxynitrite, its plasma concentration may be a useful determinant of NO-dependent damage in vivo. Nitrotyrosine has been detected in inflammatory diseases such as septic shock, rheumatoid arthritis, celiac disease, atherosclerosis, and chronic renal failure.
Product Categories/Family for anti-Nitrotyrosine antibody	Neuroscience and Signal Transduction Antibodies
References	Girault, I et al. 2001 Free Radic Biol Med 31: 1375-87.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.