

3-nitroY | Nitrotyrosine

Cat PA01509

Size 100 µg

Host

Mouse

Clonality

Monoclonal

Confirmed reactivity

Dog, Human, Mouse, Rat

Immunogen

BSA-conjugated 3-(4-Hydroxy-3-nitrophenyl acetamido) propionic acid

Host

Mouse

Clonality

Monoclonal

Purity

Total IgG. Protein G purified, in PBS. Contains 50 % glycerol and 0.09% sodium azide.

Format

Liquid

Storage

Store at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application

ELISA (ELISA), Flowcyt (Flow cytometry), Immunocytochemistry (ICC), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western blot (WB)

Recommended dilution

1: 100 (IHC), 1: 1400 (WB), The exact and optimal working dilution should be determined by the investigator

Confirmed reactivity

Dog, Human, Mouse, Rat

Predicted reactivity

Higher plants

Not reactive in

No confirmed exceptions from predicted reactivity are currently known

Additional information

1 mg/ml of Protein G purified IgG2A in PBS pH 7.4, 0.09 % sodium azide, 50 % glycerol. The antibody recognizes 3-nitrotyrosine moieties. No detectable crossreactivity with non-nitrated tyrosine. Not species specific. 0.7 µg/ml is sufficient for detection of 5 µg SIN-1 treated BSA by Western Blot..ECL. Antibody works paraffin-embedded sections.

Description

Nitrotyrosine is a marker of nitric oxide dependent oxidative stress. It is a product of tyrosine nitration mediated by

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active nitrogen. Protein tyrosine nitration results in post-translational modification, a component of nitric oxide signaling.

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