

Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

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Product no **AS10 706-100**
3-nitroY | Nitrotyrosine

Product information

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

Host | Mouse

Clonality | Monoclonal

Subclass/isotype | IgG2A

Purity | Protein G purified, in PBS with 50 % glycerol, 0.09% sodium azide.

Format | Liquid

Quantity | 100 µg

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

Additional information | 1 mg/ml of Protein G purified IgG2A in PBS pH 7.4, 0.09 % sodium azide, 50 % glycerol

Application information

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 | The antibody recognizes 3-nitrotyrosine moieties. No detectable crossreactivity with non-nitrated tyrosine. Not species specific.
0.7µg/ml was sufficient for detection of 5 µg SIN-1 treated BSA by Western Blot..ECL.
Antibody works paraffin-embedded sections.
For high resolution images, please visit the specific product page at www.agrisera.com

Selected references | [Gow](#) et al. (2004). Biological significance of nitric oxide-mediated protein modifications. *Am J Physiol Lung Cell Mol Physiol.* 287(2): L262-8. Antibody used in immunohistochemistry:
[Pfister](#) et al. (2002). Inducible nitric oxide synthase and nitrotyrosine in listeric encephalitis: a cross-species study in ruminants. *Vet Pathol.* 39: 190-199.
[Girault](#) et al. (2001). Immunodetection of 3-nitrotyrosine in the liver of zymosan-treated rats with a new monoclonal antibody: comparison to analysis by HPLC. *Free Radical Biology and Medicine,* 31 (11): 1375-1387.

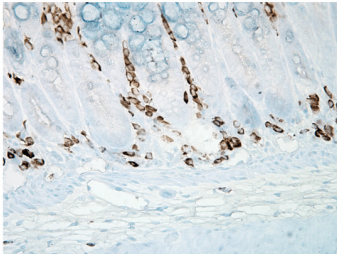
Application example

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IHC using anti-Nitrotyrosine mouse monoclonal antibodies, Clone 39B6. Tissue: inflamed colon. Species: Mouse. Fixation: Formalin. Primary Antibody: Anti-Nitrotyrosine mouse monoclonal antibody Dilution: 1:1000000 for 12 h/4 °C. Secondary Antibody: goat anti-Mouse biotin conjugated at 1:2000 1 h/RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 200 μ l for 2 minutes at RT. Magnification: 40x.