

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

Product information

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen | BSA-conjugated 3-(4-Hydroxy-3-nitrophenyl acetamido) propionic acid |
| Host | Mouse |
| Clonality | Monoclonal |
| Subclass/isotype | IgG2A |
| Purity | Total IgG. Protein G purified, in PBS. Contains 50 % glycerol and 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 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. |

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

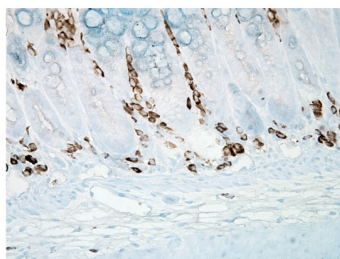
Additional information | The antibody recognizes 3-nitrotyrosine moieties. No detectable crossreactivity with non-nitrated tyrosine. Not species specific.

0.7µg/ml was sufficient for detection of 5 µg SIN-1 treated BSA by Western Blot..ECL.

Antibody works paraffin-embedded sections.

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



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 µl for 2 minutes at RT. Magnification: 40x.