Anti-Nitrotyrosine Antibody [39B6] (A304794)

Specifications:

Name:	Anti-Nitrotyrosine Antibody [39B6]
Description:	Mouse monoclonal [39B6] antibody to Nitrotyrosine.
Specificity:	This antibody recognises 3-nitrotyrosine moieties.
Applications:	WB, IHC, ICC/IF, IP, ELISA, Flow Cytometry, Antibody Microarray
Recommended Dilutions:	WB: 1:1400, IHC: 1:100
Reactivity:	Species Independent
Cross Reactivity:	This antibody does not cross-react with non-nitrated tyrosine.
Immunogen:	3-(4-hydroxy-3-nitrophenylacetamido) propionic acid-bovine serum albumin.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	39B6
Isotype:	IgG2a
Conjugate:	Unconjugated
Purification:	Protein G purification.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 0.09% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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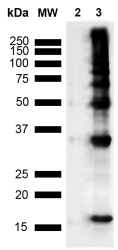
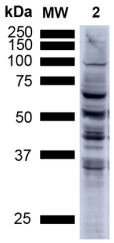
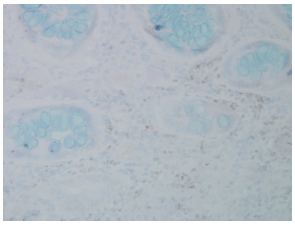
Images:



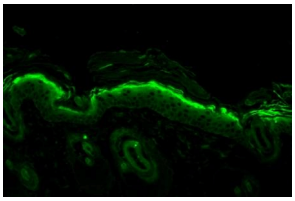
Western blot analysis of human Recombinant Protein showing detection of Multiple Bands Nitrotyrosine protein using Anti-Nitrotyrosine Antibody [39B6] (A304794) at 1:1,000 for 2 hours at room temperature with shaking. Lane 1: MW Ladder. Lane 2: hASYN Monomer (3.84 ug). Lane 3: Nitrosylated hASYN (3.84 ug). Block: 5% Skim Milk Powder in TBST. The secondary antibody used was Goat anti-mouse IgG:HRP at 1:4,000 for 2 hour at room temperature with shaking. Color Development: Chemiluminescent for HRP (Moss) for 5 minutes in room temperature. Predicted/Observed Size: Multiple Bands.



Western blot analysis of human A549 cells showing detection of Multiple Bands Nitrotyrosine protein using Anti-Nitrotyrosine Antibody [39B6] (A304794) at 1:1,000 for 2. Lane 1: MW ladder. Lane 2: human A549 Cells 15 ug). Load: 15 ug. Block: 5% Skim Milk Powder in TBST. 5 hours at room temperature with shaking. The secondary antibody used was Goat anti-mouse IgG:HRP at 1:1,000 for 1 hour at room temperature with shaking. Color Development: Chemiluminescent for HRP (Moss) for 5 minutes in room temperature. Predicted/Observed Size: Multiple Bands.



Immunohistochemistry analysis of human colon carcinoma, fixed in formalin. The Primary Antibody used was Anti-Nitrotyrosine Antibody [39B6] (A304794) at 1:25,000 for 12 hours at 4°C. The secondary antibody used was Biotin Goat Anti-Mouse at 1:2000 for 1 hour at room temperature. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 200 µl for 2 minutes at room temperature. Magnification: 40x.



Immunohistochemistry analysis of mouse backskin, fixed in Bouin's fixative solution and paraffin-embedded. The Primary Antibody used was Anti-Nitrotyrosine Antibody [39B6] (A304794) at 1:100 for 1 hour at room temperature. The secondary antibody used was FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at room temperature. Backskin obtained from transgenic mice.