

Product Datasheet

Nitrotyrosine Antibody (39B6) - BSA Free NB110-96877

Unit Size: 0.1 mg

Store at -20C.

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Publications: 12

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NB110-96877

Nitrotyrosine Antibody (39B6) - BSA Free

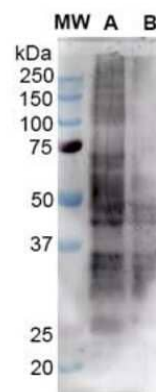
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at -20C.
Clonality	Monoclonal
Clone	39B6
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS, 50% Glycerol

Product Description	
Description	Novus Biologicals Mouse Nitrotyrosine Antibody (39B6) - BSA Free (NB110-96877) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. Anti-Nitrotyrosine Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Rat, Non-species specific
Reactivity Notes	Species Independent. Rat reactivity reported in scientific literature (PMID:32980492)
Specificity/Sensitivity	Recognizes 3-nitrotyrosine moieties. No detectable cross-reactivity with non-nitrated tyrosine. Not species specific.
Immunogen	3-(4-hydroxy-3-nitrophenylacetamido) propionic acid-bovine serum albumin

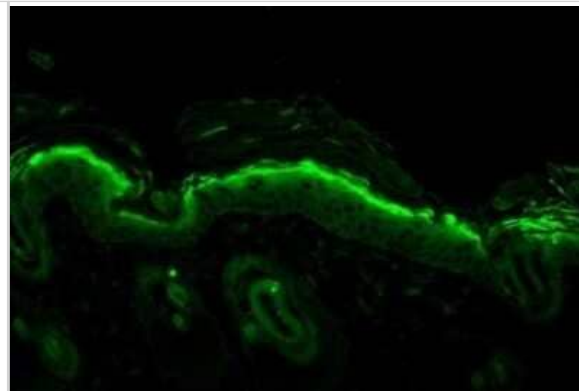
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:1400, Flow Cytometry, ELISA, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin 1:100, Microarray

Images

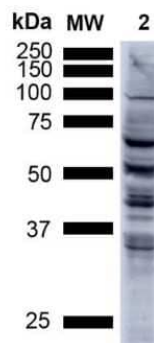
Western Blot: Nitrotyrosine Antibody (39B6) [NB110-96877] - Western Blot analysis of Human HEK293 cells showing detection of Nitrotyrosineprotein using Mouse Anti-NitrotyrosineMonoclonal Antibody, Clone 39B6 (NB110-96877). Lane 1: MW Ladder. Lane A: Nitrosylated-HEK293 (15uL). Lane B: HEK293 (15 ug). Block: 5% Skim Milk Powder in TBST. Primary Antibody: Mouse Anti-NitrotyrosineMonoclonal Antibody (NB110-96877) diluted in 1.5% BSA and TBST for 1 hours at RT with shaking . Secondary Antibody: Goat anti-mouse IgG: HRP at 1:4000 for 1 hour at RT with shaking . Predicted/Observed Size: Multiple Bands.



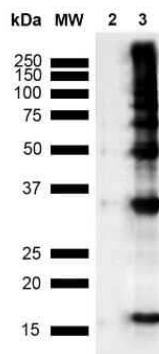
Immunohistochemistry: Nitrotyrosine Antibody (39B6) [NB110-96877] - Immunohistochemistry analysis using Mouse Anti-Nitrotyrosine Monoclonal Antibody, Clone 39B6 (NB110-96877). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Nitrotyrosine Monoclonal Antibody (NB110-96877) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Backskin obtained from transgenic mice.



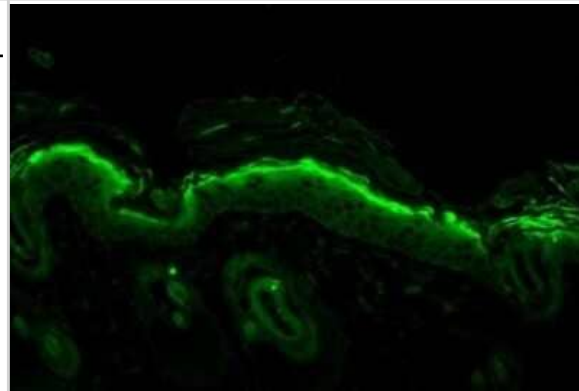
Western Blot: Nitrotyrosine Antibody (39B6) [NB110-96877] - Western Blot analysis of Human A549 cells showing detection of Multiple Bands Nitrotyrosine protein using Mouse Anti-Nitrotyrosine Monoclonal Antibody, Clone 39B6 (NB110-96877). Lane 1: MW ladder. Lane 2: Human A549 Cells 15 ug). Load: 15 ug. Block: 5% Skim Milk Powder in TBST. Primary Antibody: Mouse Anti-Nitrotyrosine Monoclonal Antibody (NB110-96877) at 1:1000 for 2.5 hours at RT with shaking . Secondary Antibody: Goat anti-mouse IgG:HRP at 1:1000 for 1 hour at RT with shaking . Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT. Predicted/Observed Size: Multiple Bands.



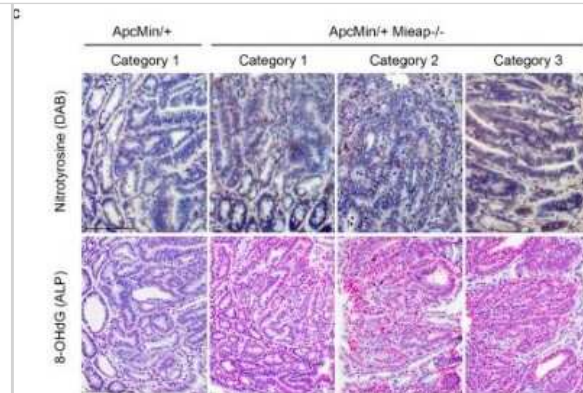
Western Blot: Nitrotyrosine Antibody (39B6) [NB110-96877] - Western Blot analysis of Human Recombinant Protein showing detection of Multiple Bands Nitrotyrosine protein using Mouse Anti-Nitrotyrosine Monoclonal Antibody, Clone 39B6 (NB110-96877). Lane 1: MW Ladder. Lane 2: hASYN Monomer (3.84 ug). Lane 3: Nitrosylated hASYN (3.84 ug).. Block: 5% Skim Milk Powder in TBST. Primary Antibody: Mouse Anti-Nitrotyrosine Monoclonal Antibody (NB110-96877) at 1:1000 for 2 hours at RT with shaking . Secondary Antibody: Goat anti-mouse IgG:HRP at 1:4000 for 2 hour at RT with shaking . Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT. Predicted/Observed Size: Multiple Bands.



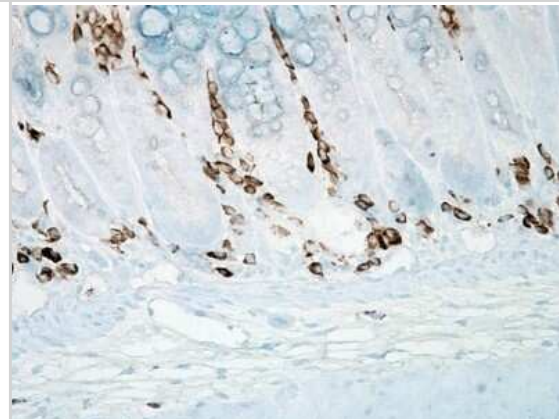
Immunohistochemistry: Nitrotyrosine Antibody (39B6) [NB110-96877] - Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Nitrotyrosine Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



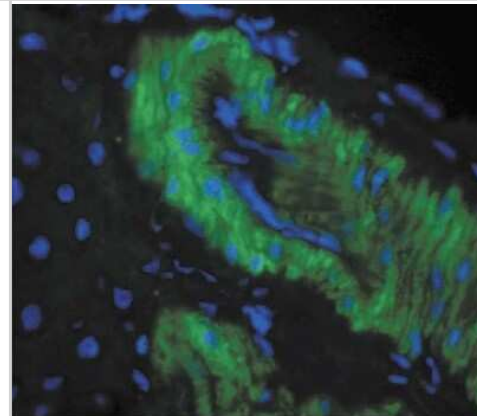
Immunohistochemistry-Paraffin: Nitrotyrosine Antibody (39B6) [NB110-96877] - Immuno-peroxidase (DAB) staining for nitrotyrosine (upper row) and immuno-alkaline phosphatase (ALP) staining for 8-OHdG (bottom row), hematoxylin counterstain. Representative small intestinal tumor histopathology of Category 1 (low-grade adenoma) in ApcMin/+ (left column) and ApcMin/+ Mieap-/- (second from left column) mice, Category 2 (high-grade adenoma, second from right column) and Category 3 (adenocarcinoma, right column) in the ApcMin/+ Mieap-/- mice. Scale bars: 100 μ m. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/srep12472>), licensed under a CC-BY license.



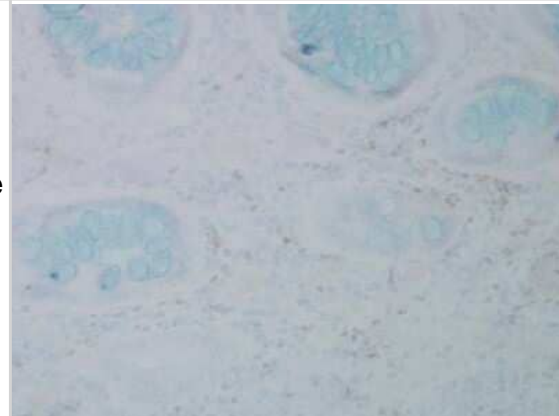
Immunohistochemistry: Nitrotyrosine Antibody (39B6) [NB110-96877] - Immunohistochemistry analysis using Mouse Anti-Nitrotyrosine Monoclonal Antibody, Clone 39B6 (NB110-96877). Tissue: inflamed colon. Species: Mouse. Fixation: Formalin. Primary Antibody: Mouse Anti-Nitrotyrosine Monoclonal Antibody (NB110-96877) at 1:1000000 for 12 hours at 4C. Secondary Antibody: Biotin Goat Anti-Mouse at 1:2000 for 1 hour at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 200 I for 2 minutes at RT. Magnification: 40x. With anti-microbial. This image was produced using an amplifying IHC wash buffer. The antibody has therefore been diluted more than is recommended for other applications.



Immunohistochemistry: Nitrotyrosine Antibody (39B6) [NB110-96877] - Immunohistochemistry analysis using Mouse Anti-Nitrotyrosine Monoclonal Antibody, Clone 39B6 (NB110-96877). Tissue: liver tissue. Species: Rat. Primary Antibody: Mouse Anti-Nitrotyrosine Monoclonal Antibody (NB110-96877) at 1:1000. Secondary Antibody: FITC Goat Anti-Mouse (green).



Immunohistochemistry: Nitrotyrosine Antibody (39B6) [NB110-96877] - Immunohistochemistry analysis using Mouse Anti-Nitrotyrosine Monoclonal Antibody, Clone 39B6 (NB110-96877). Tissue: colon carcinoma. Species: Human. Fixation: Formalin. Primary Antibody: Mouse Anti-Nitrotyrosine Monoclonal Antibody (NB110-96877) at 1:25000 for 12 hours at 4C. Secondary Antibody: Biotin Goat Anti-Mouse at 1:2000 for 1 hour at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 200 I for 2 minutes at RT. Magnification: 40x.



Publications

Gao L, Qi Hb, Kc K et al. Excessive autophagy induces the failure of trophoblast invasion and vasculature: possible relevance to the pathogenesis of preeclampsia. *J. Hypertens.* 2014-10-15 [PMID: 25318653]

Villalobos-Labra R, Liu R, Spaans F et al. Placenta-Derived Extracellular Vesicles from Preeclamptic and Healthy Pregnancies Impair ex vivo Vascular Endothelial Function *Bioscience reports* 2022-11-21 [PMID: 36408626]

Przepiorski A, Vanichapol T, Espiritu E Et al. Modeling oxidative injury response in human kidney organoids *Stem Cell Res Ther* 2022-02-22 [PMID: 35189973]

Przepiorski A, Vanichapol T, Espiritu E Et al. Modeling oxidative injury response in human kidney organoids *Research Square* 2021-08-24 [PMID: 27194714] (IF/IHC, Human)

Wang J, Zhang W, Li M, Li X The new coumarin compound Bis 3 ameliorates cognitive disorder and suppresses brain-intestine-liver systematic oxidative stress in high-fat diet mice *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie* 2021-01-20 [PMID: 33485120]

Ding R, Ou W, Chen C et al. Endoplasmic reticulum stress and oxidative stress contribute to neuronal pyroptosis caused by cerebral venous sinus thrombosis in rats: involvement of TXNIP/oxalyl-LDL-NLRP3 inflammasome activation *Neurochem. Int.* 2020-09-24 [PMID: 32980492] (WB, Rat)

Yu S, Zhai J, Yu J et al. Downregulation of BACH1 Protects AGAINST Cerebral Ischemia/Reperfusion Injury through the Functions of HO-1 and NQO1 *Neuroscience* 2020-04-18 [PMID: 32311410] (ICC/IF)

Wang M, Law ME, Davis BJ, et al. A novel biscoumarin compound ameliorates cerebral ischemia reperfusion-induced mitochondrial oxidative injury via Nrf2/Keap-1/ARE signaling *Neuropharmacology* 2019-12-21 [PMID: 31874170] (ICC/IF, IF/IHC)

Tsuneki M, Nakamura Y, Kinjo T et al. Mieap suppresses murine intestinal tumor via its mitochondrial quality control *Sci Rep* 2015-07-28 [PMID: 26216032] (IHC-P)

Ganguly E, Aljunaidy M, Kirschenman R Sex-Specific Effects of Nanoparticle-Encapsulated MitoQ (nMitoQ) Delivery to the Placenta in a Rat Model of Fetal Hypoxia *Front. Physiol.* May 24 2019 12:00AM [PMID: 31178743] (ICC/IF, Rat)

Guha S, Chaurasia S, Ramachandran C, Roy, S. SLC4A11 depletion impairs NRF2 mediated antioxidant signaling and increases reactive oxygen species in human corneal endothelial cells during oxidative stress. *Sci Rep.* 2017-06-22 [PMID: 28642546] (ICC/IF, Human)

Gao L, Qi Hb, Kc K et al. Excessive autophagy induces the failure of trophoblast invasion and vasculature: possible relevance to the pathogenesis of preeclampsia. *J. Hypertens.* 2014 Oct 15 [PMID: 25318653] (ICC/IF, Human)



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Products Related to NB110-96877

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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