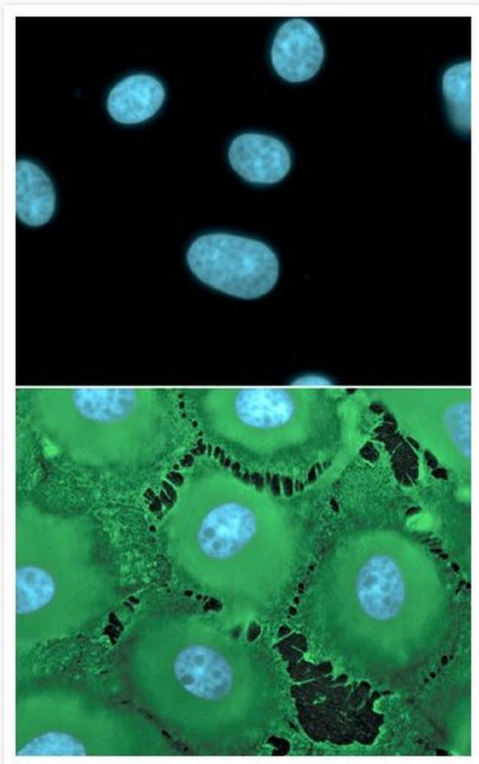


Nitrotyrosine Polyclonal Antibody

Product Details	
Size	500 µL
Species Reactivity	Chemical
Published Species	Chemical
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Keyhole limpet hemocyanin (KLH) containing nitrated tyrosines
Form	Liquid
Concentration	1 mg/mL
Purification	purified
Storage buffer	PBS, pH 7.2
Contains	5mM sodium azide
Storage conditions	4° C
RRID	AB_221457

Applications	Tested Dilution	Publications
Western Blot (WB)	1:200-1:2,000	12 Publications
Immunohistochemistry (IHC)	1:200-1:2,000	24 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	10 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	Assay-dependent	5 Publications
ELISA (ELISA)	-	2 Publications
Radioimmune Assays (RIA)	-	1 Publication
Competition Assay (CA)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Images For Nitrotyrosine Polyclonal Antibody



Nitrotyrosine Antibody (A-21285) in ICC/IF

Nitrated tyrosine residues in bovine pulmonary artery endothelial cells detected with rabbit anti-nitrotyrosine antibody. Fixed and permeabilized bovine pulmonary artery endothelial cells were treated with either degraded peroxynitrite (top panel) or 100 μ M peroxynitrite (bottom panel) for five minutes at room temperature to induce protein nitration. Nitrated tyrosine residues were detected with our rabbit anti-nitrotyrosine polyclonal antibody (Product # A-21285) and visualized with the green-fluorescent Alexa Fluor® 488 goat anti-rabbit IgG antibody (Product # A-11008). Nuclei were counterstained with blue-fluorescent DAPI (Product # D1306, D3571, D21490).



CaptAvidin Dimer

CaptAvidin

1 2

Nitrotyrosine Antibody (A-21285) in WB

Specificity of our rabbit anti-nitrotyrosine polyclonal antibody (Product # A-21285) to nitrated proteins. Equal amounts of avidin (A887, lane 1) and CaptAvidin™ biotin-binding protein (Product # C-21385, lane 2) were run on an SDS-polyacrylamide gel (4-20%) and blotted onto a PVDF membrane. CaptAvidin™ biotin-binding protein, a derivative of avidin, has nitrated tyrosine residues in the biotin-binding site. Using the Pro-Q® Western Blot Stain Kit #3 (Product # P21864), nitrated proteins were identified with the rabbit anti-nitrotyrosine polyclonal antibody, in combination with an alkaline phosphatase conjugate of goat anti-rabbit IgG antibody (Product # G-21079) and the red-fluorescent substrate, DDAO phosphate (Product # D6487).

View more figures on thermofisher.com

Western Blot (12)

Nature communications

Interplay of two transcription factors for recruitment of the chromatin remodeling complex modulates fungal nitrosative stress response.

"Published figure using Nitrotyrosine polyclonal antibody (Product # A-21285) in Western Blot"

Authors: Jian Y,Liu Z,Wang H,Chen Y,Yin Y,Zhao Y,Ma Z

Species
Chemical

Dilution
Not Cited

Year
2021

Pharmaceuticals (Basel, Switzerland)

Hormetic-Like Effects of L-Homocysteine on Synaptic Structure, Function, and A Aggation.

"Published figure using Nitrotyrosine polyclonal antibody (Product # A-21285) in Western Blot"

Authors: Montecinos-Oliva C,Arrázola MS,Jara C,Tapia-Rojas C,Inestrosa NC

Species
Chemical

Dilution
Not Cited

Year
2020

[View more WB references on thermofisher.com](#)

Immunohistochemistry (24)

Oxidative medicine and cellular longevity

Antioxidant Solution in Combination with Angiotensin-(1-7) Provides Myocardial Protection in Langendorff-Perfused Rat Hearts.

"A-21285 was used in Immunohistochemistry to indicate substantial cardioprotection of the novel combination with promising prospective for future clinical use."

Authors: Andrä M,Russ M,Jauk S,Lamacie M,Lang I,Arnold R,Brcic I,Santos R,Wintersteiger R,Ortner A

Species
Chemical

Dilution
1:200

Year
2021

Frontiers in neuroscience

Ceruloplasmin Plays a Neuroprotective Role in Cerebral Ischemia.

"A-21285 was used in Immunohistochemistry to assess the role of ceruloplasmin in permanent middle cerebral artery occlusion, comparing wildtype and ceruloplasmin null mice."

Authors: Ryan F,Zarruk JG,Lößlein L,David S

Species
Chemical

Dilution
1:500

Year
2020

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

IHC (P) (10)

IHC (F) (2)

ICC/IF (5)

ELISA (2)

RIA (1)

CA (1)

Misc (1)

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