

Product Datasheet

CYBB/NOX2 Antibody - BSA Free

NBP2-41291

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-41291

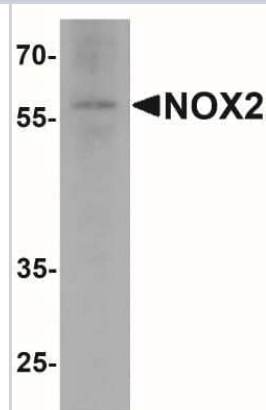
CYBB/NOX2 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	58 kDa
Product Description	
Description	Novus Biologicals Rabbit CYBB/NOX2 Antibody - BSA Free (NBP2-41291) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-CYBB/NOX2 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1536
Gene Symbol	CYBB
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Porcine (87%), Bovine (87%)
Specificity/Sensitivity	At least two isoforms are known to exist; this antibody will detect both isoforms. NOX2 is predicted to not cross-react with other NOX proteins.
Immunogen	Antibody was raised against a 15 amino acid peptide near the amino terminus of human NOX2. The immunogen is located within amino acids 140 - 190 of NOX2. Amino Acid Sequence: NFARKRIKNPEGGLY
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA, Immunohistochemistry 2 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 2 ug/ml



Images

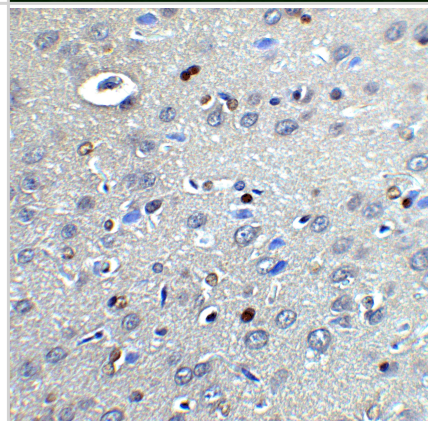
Western Blot: CYBB/NOX2 Antibody [NBP2-41291] - Analysis of NOX2 in rat brain tissue lysate with NOX2 antibody at 1 ug/ml.



Immunohistochemistry: CYBB/NOX2 Antibody [NBP2-41291] - NOX2 expression in mouse cerebral cortex. Dilution 1:1000. This image was submitted via customer Review.

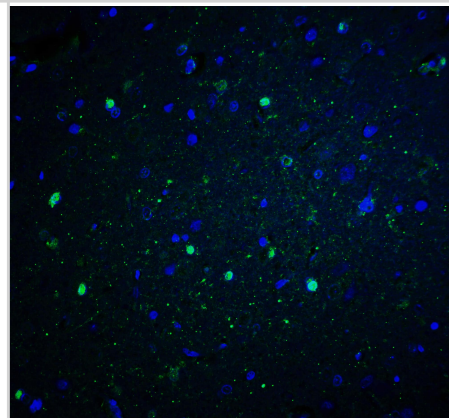


Immunohistochemistry: CYBB/NOX2 Antibody - BSA Free [NBP2-41291] - Immunohistochemistry of CYBB/NOX2 in rat brain tissue cells with CYBB/NOX2 antibody at 2 ug/ml.

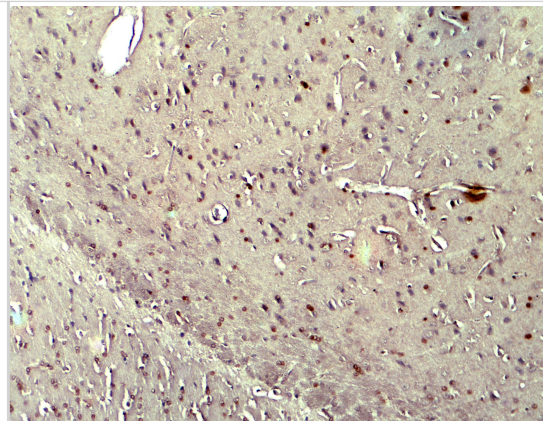


Immunocytochemistry/ Immunofluorescence: CYBB/NOX2 Antibody - BSA Free [NBP2-41291] - Immunofluorescence of CYBB/NOX2 in rat brain tissue with CYBB/NOX2 antibody at 20 u/ml.

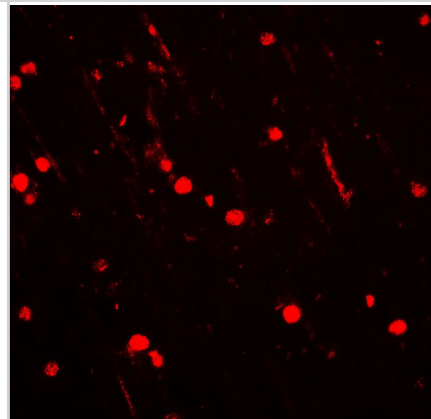
Green: CYBB/NOX2 Antibody
Blue: DAPI staining



Immunohistochemistry: CYBB/NOX2 Antibody - BSA Free [NBP2-41291]
- Immunohistochemistry of CYBB/NOX2 in rat brain tissue with CYBB/NOX2 antibody at 5 ug/ml.



Immunocytochemistry/ Immunofluorescence: CYBB/NOX2 Antibody - BSA Free [NBP2-41291] - Immunofluorescence of CYBB/NOX2 in rat brain tissue with CYBB/NOX2 antibody at 20 ug/ml.



Publications

Hwang S, Kim SH, Yoo KH et al. Exogenous 8-hydroxydeoxyguanosine attenuates doxorubicin-induced cardiotoxicity by decreasing pyroptosis in H9c2 cardiomyocytes BMC molecular and cell biology 2022-12-14 [PMID: 36517746] (Western Blot, Rat)

Blaise O, Duchesne C, Capuzzo E et al. Infected wound repair correlates with collagen I induction and NOX2 activation by cold atmospheric plasma NPJ Regenerative Medicine 2024-10-02 [PMID: 39358383]

Madhamanchi K, Madhamanchi P, Jayalakshmi S et al. Endoplasmic reticulum stress and unfolded protein accumulation correlate to seizure recurrence in focal cortical dysplasia patients Cell stress & chaperones 2022-10-18 [PMID: 36258150]

Acikel-Elmas M, Algilani SA, Sahin B et al. Apocynin Ameliorates Monosodium Glutamate Induced Testis Damage by Impaired Blood-Testis Barrier and Oxidative Stress Parameters Life (Basel, Switzerland) 2023-03-17 [PMID: 36983977] (IHC, Rat)

Sahin B, Acikel Elmas M, Bingol Ozakpinar O, Arbak S The Effects of Apocynin on Monosodium Glutamate Induced Liver Damage of Rats Heliyon 2023-07-01 [PMID: 37449146] (IHC, Mouse)

Peng L, Deng M, Huang Y et al. Scutellarin acts on the AR-NOX Axis to Remediate Oxidative Stress Injury in a Mouse Model of Cerebral Ischemia/Reperfusion Injury Phytomedicine 2022-06-11 [PMID: 35689902]

Cao L, Li X, Xu R et al. DUOX2, a common modulator in preventive effects of monoamine-based antidepressants on water immersion restraint stress- and indomethacin- induced gastric mucosal damage European Journal of Pharmacology 2020-03-01 [PMID: 32131022] (WB, Rat)

Bitar MS, Nader J, Al-Ali W et al. Hydrogen Sulfide Donor NaHS Improves Metabolism and Reduces Muscle Atrophy in Type 2 Diabetes: Implication for Understanding Sarcopenic Pathophysiology Oxid Med Cell Longev 2018-10-30 [PMID: 30510624] (WB, Rat)



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Products Related to NBP2-41291

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00001536-Q01-10ug	Recombinant Human CYBB/NOX2 GST (N-Term) Protein

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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