

Anti-NOX4 Rabbit Monoclonal Antibody

Catalog Number: M00403

About NOX4

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates.

Overview

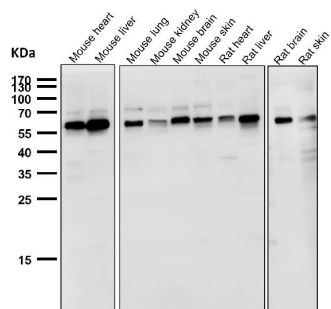
Product Name	Anti-NOX4 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NOX4 Rabbit Monoclonal Antibody catalog # M00403. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal E-14
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9NPH5

Technical Details

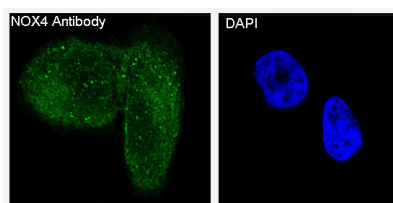
Immunogen	A synthesized peptide derived from human NOX4
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:1000-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50
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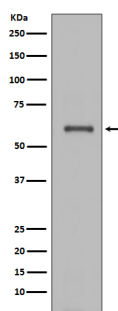
Anti-NOX4 Rabbit Monoclonal Antibody (M00403) Images



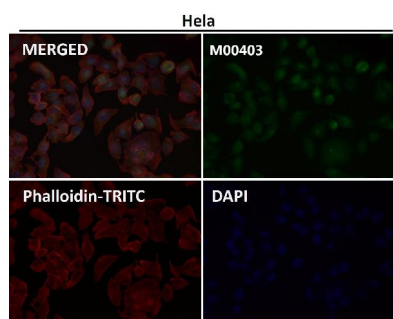
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



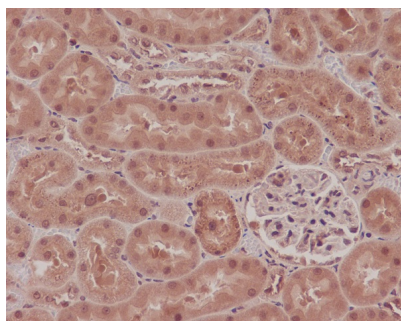
Immunofluorescent analysis of HeLa cells, using NOX4 Antibody .



Western blot analysis of NOX4 expression in JAR cell lysate.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunohistochemical analysis of paraffin-embedded rat kidney, using NOX4 Antibody .

4 Publications Citing This Product

1. PubMed ID: 31398421, Wang D, Yan Z, Bu L, An C, Deng B, Zhang J, Rao J, Cheng L, Zhang J, Zhang B, Xie J. Protective effect of peptide DR8 on bleomycin-induced pulmonary fibrosis by regulating the TGF-beta/MAPK signaling pathway and oxidative stress. *Toxicol Appl Pharmacol*. 2019 Nov 1;382:114703. doi:10.1016/j.taap.2019.114703. Epub 2019 Aug 6. PMID:31398421.
2. PubMed ID: 27803283, Obligatory role for GPER in cardiovascular aging and disease^
3. PubMed ID: 28666738, Zhao, X., Li, R., Liu, Y., Zhang, X., Zhang, M., Zeng, Z.,..., & Wang, Y. (2017). Polydatin protects against carbon tetrachloride-induced liver fibrosis in mice. *Archives of Biochemistry and Biophysics*, 629, 1-7. Advance online publication. doi: 10....

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