

Anti-CYBB/Nox2 Rabbit Monoclonal Antibody

Catalog Number: M00328

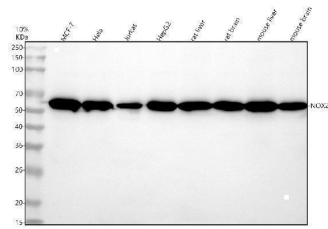
Overview

| | |
|----------------------|--|
| Product Name | Anti-CYBB/Nox2 Rabbit Monoclonal Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-CYBB/Nox2 Rabbit Monoclonal Antibody catalog # M00328. Tested in WB application. This antibody reacts with Human, Mouse, Rat. |
| Application | WB |
| Clonality | Monoclonal GOH-3 |
| Formulation | Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| 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 | P04839 |

Technical Details

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|---------------------|---|
| Immunogen | A synthesized peptide derived from human CYBB |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5mg/ml |
| Purification | Affinity-chromatography |
| Suggested Dilutions | WB 1:500-2000 |

Anti-CYBB/Nox2 Rabbit Monoclonal Antibody (M00328) Images



Western blot analysis of NOX2 using anti-NOX2 antibody (M00328). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human Hela whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: human HepG2 whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: rat brain tissue lysates, Lane 7: mouse liver tissue lysates, Lane 8: mouse brain tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NOX2 antigen affinity purified monoclonal antibody (M00328) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for NOX2 at approximately 65 kDa. The expected band size for NOX2 is at 65 kDa.

4 Publications Citing This Product

1. PubMed ID: 32112504, Zhou H,Wang H,Shi N,Wu F.Potential Protective Effects of the Water-Soluble Chinese Propolis on Hypertension Induced by High-Salt Intake. Clin Transl Sci.2020 Sep;13(5):907-915.doi:10.1111/cts.12770.Epub 2020 Apr 8.PMID:32112504.
2. PubMed ID: 27443826, Maternal inflammation activated ROS-p38 MAPK predisposes offspring to heart damages caused by isoproterenol via augmenting ROS generation
3. PubMed ID: 26979487, Graviola inhibits hypoxia-induced NADPH oxidase activity in prostate cancer cells reducing their proliferation and clonogenicity

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