

Anti-SOD2/Mnsod Rabbit Monoclonal Antibody

Catalog Number: M00349

About SOD2

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

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| Product Name | Anti-SOD2/Mnsod Rabbit Monoclonal Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-SOD2/Mnsod Rabbit Monoclonal Antibody catalog # M00349. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat. |
| Application | IHC, WB |
| Clonality | Monoclonal IDO-19 |
| 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 | P04179 |

Technical Details

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| Immunogen | A synthesized peptide derived from human SOD2 |
| 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: |

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| | WB 1:500-1:2000 IHC 1:50-1:200 |
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Anti-SOD2/Mnsod Rabbit Monoclonal Antibody (M00349) Images

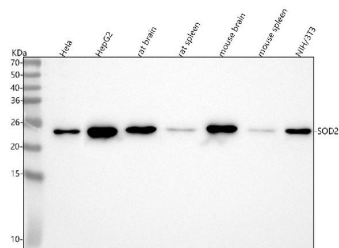


Figure 1. Western blot analysis of SOD2/Mnsod using anti-SOD2/Mnsod antibody (M00349). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human HepG2 whole cell lysates,
Lane 3: rat brain tissue lysates,
Lane 4: rat spleen tissue lysates,
Lane 5: mouse brain tissue lysates,
Lane 6: mouse spleen tissue lysates,
Lane 7: mouse NIH/3T3 whole cell 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-SOD2/Mnsod antigen affinity purified monoclonal antibody (Catalog # M00349) at 1:500 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for SOD2/Mnsod at approximately 25 kDa. The expected band size for SOD2/Mnsod is at 25 kDa.

1 Publications Citing This Product

1. PubMed ID: 27443826, Maternal inflammation activated ROS-p38 MAPK predisposes offspring to heart damages caused by isoproterenol via augmenting ROS generation

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