

**SOD2 (4C4) monoclonal antibody**

Catalog: MB3119

Host: Mouse

Reactivity: Human

**BackGround:**

SOD-2 is a homotetrameric manganese enzyme (also known as MnSOD) that functions in the mitochondrion. ROS are implicated in a wide range of degenerative processes, including Alzheimer's disease, Parkinson's disease and ischemic heart disease. Homozygous mutant mice, which lack SOD-2, exhibit dilated cardiomyopathy, accumulation of lipid in liver and skeletal muscle, metabolic acidosis, oxidative DNA damage and respiratory chain deficiencies in heart and skeletal muscle.

**Product:**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

**Molecular Weight:**

Calculated MW: 25 kDa; Observed MW: 22 kDa

**Swiss-Prot:**

P04179

**Purification&Purity:**

Affinity Purified

**Applications:**

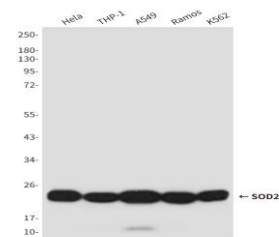
WB: 1/500-1/1000

**Storage&Stability:**

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

**Isotype:**

IgG2b

**DATA:**

Western blot analysis of SOD2 in HeLa, THP-1, A549 Ramos and K562 lysates using SOD2 antibody.

**Note:**

For research use only, not for use in diagnostic procedure.

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