Product Name: SOD2 (4C4) Mouse Monoclonal Antibody
Catalog #: AMM03562

Summary

Production Name	SOD2 (4C4) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2b
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	SOD2
Alternative Names	IPOB; IPO-B; MNSOD; MVCD6; Mn-SOD; SOD2
Gene ID	6648
SwissProt ID	P04179

Application

Dilution Ratio	WB: 1/500-1/1000
Molecular Weight	Calculated MW: 25 kDa; Observed MW: 22 kDa

Background

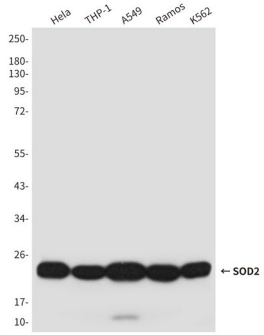
SOD-2 is a homotetrameric manganese enzyme (also known as MnSOD) that functions in the mitochondrion. ROS are

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.

Research Area

Cell Biology

Image Data



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

Note

For research use only.