
Product Name: SOD2 Mouse Monoclonal Antibody**Catalog #: AMM85014**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide, 0.5% protective protein and 50% glycerol.
Purification	Affinity Purification

Application

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

Antigen Information

Gene Name	SOD2
Alternative Names	IPOB; IPO-B; MNSOD; MVCD6; Mn-SOD; SOD2
Gene ID	6648.0
SwissProt ID	P04179
Immunogen	Synthetic peptide corresponding to human SOD2 protein

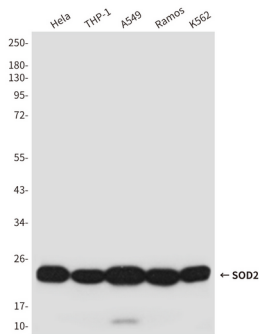
Background

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

Image Data



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