

SOD2 Antibody

Rabbit mAb Catalog # AP90976

Specification

SOD2 Antibody - Product Information

Application WB, IHC
Primary Accession P04179
Reactivity Rat
Clonality Monoclonal

Other Names

SOD2; IPOB; MNSOD; MVCD6;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 24750 Da

SOD2 Antibody - Additional Information

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

SOD2

Description 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline ,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at $+4^{\circ}$ C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

SOD2 Antibody - Protein Information

Name SOD2

Function

Destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems.



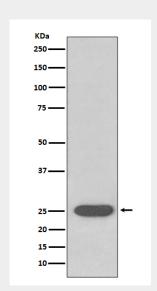
Cellular LocationMitochondrion matrix.

SOD2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

SOD2 Antibody - Images



Western blot analysis of SOD2 expression in Rat brain lysate.