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SOD2 Antibody

Rabbit mAb
Catalog # AP90976

Product Information

Application	WB, IHC
Primary Accession	P04179
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	SOD2; IPOB; MNSOD; MVCD6;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	24750

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200
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°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	SOD2
Function	Destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems.
Cellular Location	Mitochondrion matrix.

Images

Western blot analysis of SOD2 expression in Rat brain lysate.

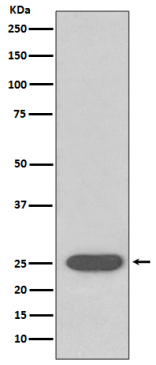


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SOD2 Facilitates the Antiviral Innate Immune Response by Scavenging Reactive Oxygen Species. -Viral Immunology

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.