

Basic Information

Product Name	Anti-SOD2 Antibody
Gene Name	SOD2
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Immunogen	A synthesized peptide derived from human SOD2
concentration	500ug/ml
Purification	Affinity-chromatography
Observed MW	25KD
Dilution Ratios	Western blot (WB): 1:1000-5000 Immunohistochemistry in paraffin section (IHC):1:20-100

Storage

12 months from date of receipt, -20°C as supplied.6 months 2 to 8°C after reconstitution.Avoid repeated freezing and thawing.

Background Information

This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 1.

Reference

Anti-SOD2 Antibody被引用在6文献中。

Selected Validation Data

Product datasheet

Anti-SOD2 Antibody

Catalog Number: **BM4813**

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antibody and ELISA experts

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