

Cat. No:	MAB-94601
Size:	100 ug
Clone:	S2-F
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthesized peptide derived from human SOD2.
Reactivity:	Hu, Rt, Ms
Applications:	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200
Molecular Weight:	25kDa
Purification:	Aff. Pur.
Synonyms:	IPO-B;IPOB;MNSOD;MVCD6;Mn-SOD;SOD2
Background:	<p>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.</p>
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.

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