

## SOD2 Polyclonal Antibody

<b>Catalog No.</b>	A1340	<b>Category</b>	Polyclonal Antibodies
<b>Applications</b>	WB, IHC, IF	<b>Observed MW</b>	23kDa
<b>Cross-reactivity</b>	Human, Mouse, Rat	<b>Calculated MW</b>	18kDa/19kDa/20kDa/24kDa

### Immunogen Information

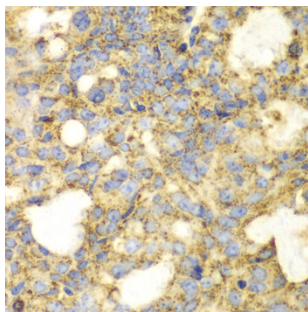
<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 25-222 of human SOD2 (NP_000627.2).
<b>Gene ID</b>	6648
<b>Swiss prot</b>	P04179
<b>Synonyms</b>	SOD2; IPO-B; IPOB; MNSOD; MVCD6; Mn-SOD; superoxide dismutase 2

### Product information

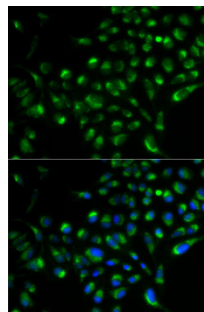
<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification method</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Background

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.



Immunohistochemistry - SOD2 Polyclonal Antibody (A1340)



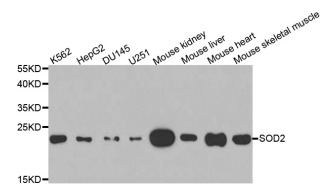
Immunofluorescence - SOD2 Polyclonal Antibody (A1340)

### Recommended Dilutions

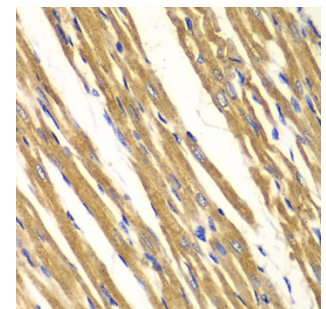
WB 1:500 -  
1:2000

IHC 1:50 -  
1:200

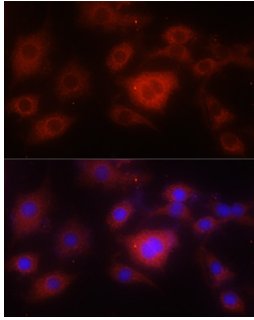
IF 1:10 -  
1:100



Western blot - SOD2 Polyclonal Antibody (A1340)



Immunohistochemistry - SOD2 Polyclonal Antibody (A1340)



Immunofluorescence - SOD2 Polyclonal Antibody (A1340)