

## SOD2 Antibody (YA670)

Cat. No.:	HY-P80898
Synonyms:	SOD2 Antibody (YA670) is a non-conjugated and Mouse originated monoclonal antibody about 25 kDa, targeting to SOD2 (4C4). It can be used for WB assays with tag free, in the background of Human.
Host:	Mouse
Reactivity:	Human
Conjugation:	Non-conjugated
SwissProt ID:	P04179
Research Field:	Cell Biology
Molecular Weight:	Predicted band size: 25 kDa

### PROPERTIES

Formulation	Supplied in 1*PBS (pH 7.3), 50% glycerol and 0.5% BSA. Preservative: 0.02% sodium azide.					
Purity	affinity purified					
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.					
Appearance	Liquid					
Application & Dilution Ratio	<table border="1"> <thead> <tr> <th>Application</th> <th>Dilution Ratio</th> </tr> </thead> <tbody> <tr> <td>WB</td> <td>1:500-1:1,000</td> </tr> </tbody> </table>	Application	Dilution Ratio	WB	1:500-1:1,000	
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Shipping	Shipping with blue ice.					

### DESCRIPTION

Background	<p>SOD2 (4C4): 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. [provided by RefSeq, Apr 2016]</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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