



# SOD2 Polyclonal Antibody

Cat No: HR1AP9351

For research use only

## Overview

Product Name	SOD2 Polyclonal Antibody
Source	Rabbit
Applications	WB,IHC-p
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	
Observed band	22kDa
GenID?Human?	SOD2
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	SOD2; Superoxide dismutase [Mn], mitochondrial
Background	superoxide dismutase 2, mitochondrial(SOD2) <i>Homo sapiens</i> 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],