

# [KO Validated] SOD2 Rabbit Polyclonal Antibody



CAB1340

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

25kDa/22kDa

### Calculated MW:

18kDa/19kDa/20kDa/24kDa

### Applications:

WB IHC

### Reactivity:

Human, Mouse, Rat

## Protein 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.

## Immunogen information

### Gene ID:

6648

### Uniprot

P04179

### Synonyms:

IPO-B; IPOB; MNSOD; MVCD6; Mn-SOD; SOD2

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 25-222 of human SOD2 (NP\_000627.2).

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

