

# SOD1 Rabbit Monoclonal Antibody



CAB12537

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

16kDa

### Calculated MW:

18kDa

### Applications:

WB

### Reactivity:

Human, Mouse, Rat

## Protein Background

The protein encoded by this gene binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. The encoded isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occurring but harmful superoxide radicals to molecular oxygen and hydrogen peroxide. The other isozyme is a mitochondrial protein. Mutations in this gene have been implicated as causes of familial amyotrophic lateral sclerosis. Rare transcript variants have been reported for this gene. [provided by RefSeq, Jul 2008]

## Immunogen information

### Gene ID:

6647

### Uniprot

P00441

### Synonyms:

ALS; ALS1; HEL-S-44; IPOA; SOD; hSod1; homodimer

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

### Immunogen:

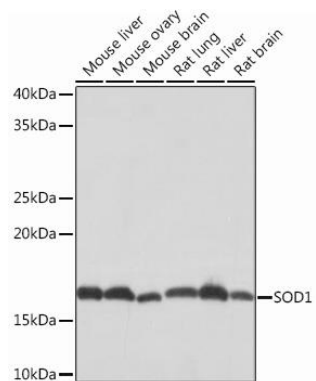
A synthesized peptide derived from human SOD1

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Product Images

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Western blot - SOD1 Rabbit mAb (CAB12537)