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**Product Name: SOD1 Rabbit Monoclonal Antibody****Catalog #: AMRe21378**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG,Kappa
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.3mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein
<b>Purification</b>	Protein A

**Application**

<b>Dilution Ratio</b>	WB 1:2000-1:10000,IHC 1:100-1:500,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200
<b>Molecular Weight</b>	Calculated MW:23kD;Observed MW:15kD

**Antigen Information**

<b>Gene Name</b>	SOD1
<b>Alternative Names</b>	SOD1;Superoxide dismutase [Cu-Zn];Superoxide dismutase 1;hSod1
<b>Gene ID</b>	6647
<b>SwissProt ID</b>	P00441
<b>Immunogen</b>	Recombinant protein of human Superoxide Dismutase 1

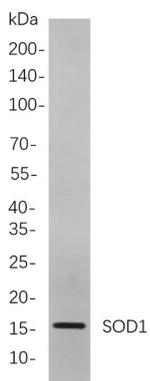
**Background**

Cell localization:Cytoplasm, Nucleus.The protein encoded by this gene binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals inThe 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],

## Research Area

## Image Data



Western blot analysis of lysates from A549 cells, using SOD1 Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG antibody was used to detect the antibody.