

SOD-1 Polyclonal Antibody

CATALOG NO:	3458-30T 30 µg (Trial size) 3458-100 100 µg
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 131 of human SOD (Internal ID# BV-926)
SPECIES REACTIVITY:	Human, Mouse, Rat, Horse, Guinea pig

FORMULATION:

0.2 mg/ml affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

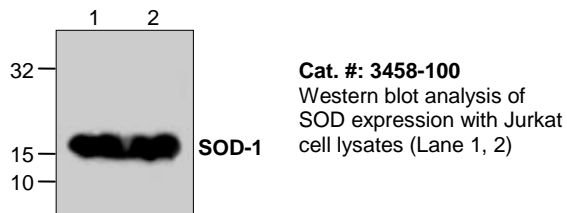
SOD (Superoxide Dismutase) is a well characterized cytosolic scavenger of oxygen free radicals that requires copper and zinc binding to potentiate its enzymatic activity. Enzymatically, SOD-1 facilitates the dismutation of oxygen radicals to hydrogen peroxide, and it also catalyzes prooxidant reactions, which include the peroxidase activity and hydroxyl radical generating activity. Defects in the gene encoding SOD-1 have been implicated in the progression of neurological diseases.

SPECIFICITY:

The antibody recognizes SOD-1 of human, mouse, rat, horse, guinea pig origins. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used for Western blotting (0.5-4 µg/ml), and in Immunohistochemistry (5 µg/ml). Per researcher's feedback, it also works well in Immunoprecipitation (20 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat. # 3458BP-50) is available separately.



FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit
- Pfu and Taq DNA Polymerases

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies