BioVision

human

SOD-1 Polyclonal Antibody

CATALOG NO:	3458-30T 3458-100	30 μg (Trial size) 100 μg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide surrounding amino acid 131 of 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/defrost cycles.

BACKGROUND:

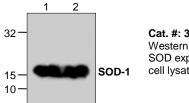
SOD (Superoxide Dismutase) is a well characterized cytosolic scavenger of oxygen free radicals that requires copper and zinc binding to potentiate its enzymatic activity. Enzymatically, SOD-1 facilitates the dismutation of oxygen radicals to hydrogen peroxide, and it also catalyzes prooxidant reactions, 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 μ g/ml), and in Immunohistochemistry (5 μ g/ml). Per researcher's feedback, it also works well in Immunoprecipitation (20 μ g/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat. # 3458BP-50) is available separately.



Cat. #: 3458-100 Western blot analysis of SOD expression with Jurkat cell lysates (Lane 1, 2)

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

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- 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

Cell Proliferation & Senescence

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

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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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

