

## Superoxide Dismutase (SOD-1) Blocking Peptide

Catalog # PBV10193b

# **Specification**

## Superoxide Dismutase (SOD-1) Blocking Peptide - Product Information

Primary Accession P00441
Other Accession AAR21563
Gene ID 6647
Calculated MW 15936

## Superoxide Dismutase (SOD-1) Blocking Peptide - Additional Information

**Gene ID** 6647

Application & Usage The peptide is used for blocking the

antibody activity of SOD. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for

30-60 minutes at 37°C.

**Other Names** 

Superoxide dismutase [Cu-Zn], 1.15.1.1, Superoxide dismutase 1, hSod1, SOD1

**Target/Specificity** 

SOD-1

#### **Formulation**

 $50~\mu g$  (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

**Reconstitution & Storage** 

-20 °C

**Background Descriptions** 

#### **Precautions**

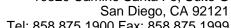
Superoxide Dismutase (SOD-1) Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

#### Superoxide Dismutase (SOD-1) Blocking Peptide - Protein Information

Name SOD1 (HGNC:11179)

## **Function**

Destroys radicals which are normally produced within the cells and which are toxic to biological systems.





## **Cellular Location**

Cytoplasm. Nucleus. Note=Predominantly cytoplasmic; the pathogenic variants ALS1 Arg-86 and Ala-94 gradually aggregates and accumulates in mitochondria.

# Superoxide Dismutase (SOD-1) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Superoxide Dismutase (SOD-1) Blocking Peptide - Images