

**Superoxide Dismutase (SOD-1) Blocking Peptide**  
**Catalog # PBV10193b****Specification**

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

Primary Accession	<a href="#">P00441</a>
Other Accession	<a href="#">AAR21563</a>
Gene ID	<b>6647</b>
Calculated MW	<b>15936</b>

**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 µg (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](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Superoxide Dismutase (SOD-1) Blocking Peptide - Images**