

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 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