

SOD1 / SOD Antibody
Rabbit Polyclonal Antibody
Catalog # ALS14990**Specification**

SOD1 / SOD Antibody - Product Information

Application	WB
Primary Accession	P00441
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16kDa KDa

SOD1 / SOD Antibody - Additional Information**Gene ID** 6647**Other Names**

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

Target/Specificity

Detects 23kD (human) and 19kD (other species) proteins, corresponding to the molecular mass of Cu/Zn superoxide dismutase (SOD) on SDS-PAGE immunoblots.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

SOD1 / SOD Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SOD1 / SOD Antibody - 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.

SOD1 / SOD Antibody - 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](#)

SOD1 / SOD Antibody - Images



Cu/Zn SOD (Rat), Human Cell line mix.

SOD1 / SOD Antibody - Background

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SOD1 / SOD Antibody - References

Sherman L., et al. Proc. Natl. Acad. Sci. U.S.A. 80:5465-5469(1983).
Levanon D., et al. EMBO J. 4:77-84(1985).
Hallewell R.A., et al. Nucleic Acids Res. 13:2017-2034(1985).
Kajihara J., et al. J. Biochem. 104:851-854(1988).
Xu Y., et al. Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.