

SOD1 / SOD Antibody
Rabbit Polyclonal Antibody
Catalog # ALS12533**Specification**

SOD1 / SOD Antibody - Product Information

Application	WB, IHC
Primary Accession	P00441
Reactivity	Human, Mouse, Rat, Horse, Guinea Pig
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

The antibody recognizes SOD-1 of human, mouse, rat, horse, and guinea pig origins. Reactivity to other species has not been tested.

Reconstitution & Storage

Long term: -70°C; Short term: -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

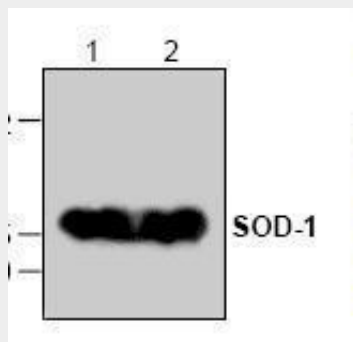
Cytoplasm. Nucleus. Note=Predominantly cytoplasmic; the pathogenic variants ALS1 Arg-86 and Ala-94 gradually aggregates and accumulates in mitochondria.

SOD1 / SOD Antibody - Protocols

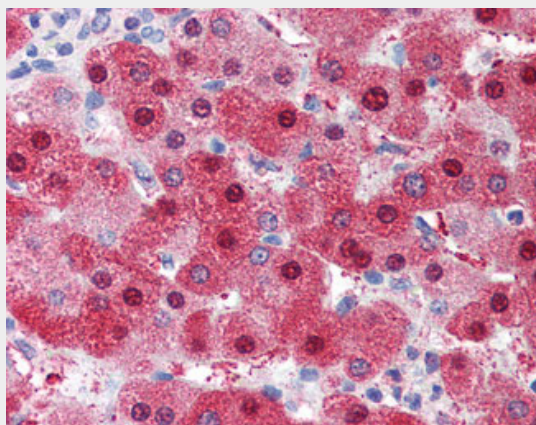
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SOD1 / SOD Antibody - Images



Western blot of SOD1 / SOD antibody ALS12533.



Anti-SOD1 antibody IHC of human liver.

SOD1 / SOD Antibody - Background

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

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.