

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

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**SOD1 / SOD Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P00441</a>
Reactivity	<b>Human, Mouse, Rat, Horse, Guinea Pig</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>16kDa KDa</b>

**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**

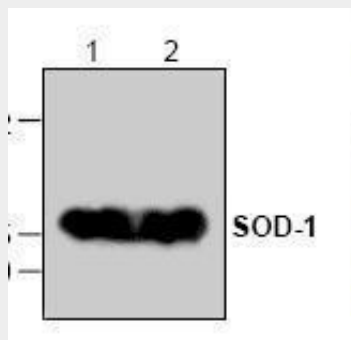
Cytoplasm. Nucleus. Note=Predominantly cytoplasmic; the pathogenic variants ALS1 Arg-86 and Ala-94 gradually aggregates and accumulates in mitochondria.

**SOD1 / SOD Antibody - Protocols**

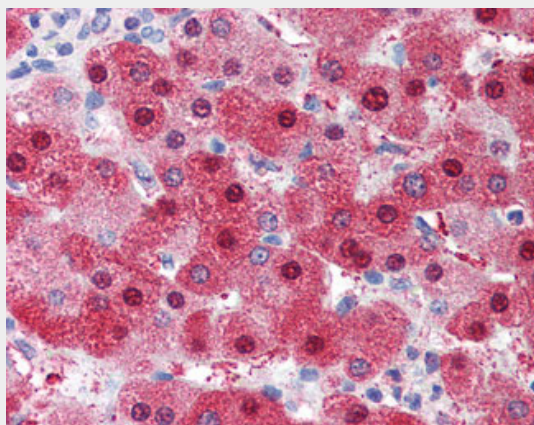
Provided below are standard protocols that you may find useful for product applications.

- [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.