

**MNSOD / SOD2 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15336****Specification**

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**MNSOD / SOD2 Antibody - Product Information**

|                   |   |
|-------------------|---|
| Application       | IHC   |
| Primary Accession | <a href="#">P04179</a>  |
| Reactivity        | Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Chicken, Sheep, Xenopus, Bovine, Guinea Pig, Gerbil, Dog |
| Host              | Rabbit  |
| Clonality         | Polyclonal  |
| Calculated MW     | 25kDa KDa   |

**MNSOD / SOD2 Antibody - Additional Information****Gene ID** 6648**Other Names**

Superoxide dismutase [Mn], mitochondrial, 1.15.1.1, SOD2

**Target/Specificity**

Detects 25kD protein, corresponding to the molecular mass of Mn 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**

MNSOD / SOD2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**MNSOD / SOD2 Antibody - Protein Information****Name** SOD2**Function**

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

**Cellular Location**

Mitochondrion matrix.

**Volume**

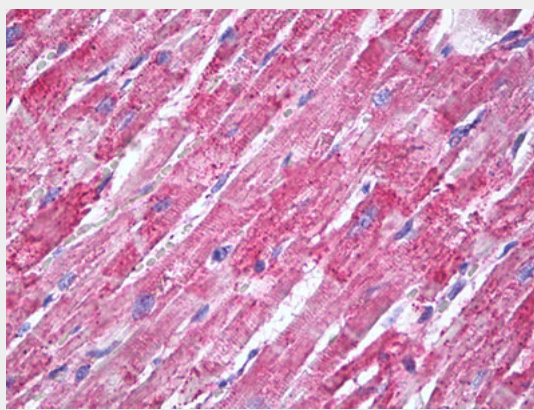
50 µl

## MNSOD / SOD2 Antibody - Protocols

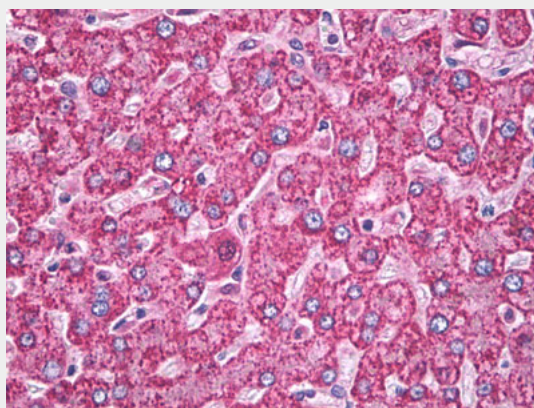
Provided below are standard protocols that you may find useful for product applications.

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

## MNSOD / SOD2 Antibody - Images



Anti-MNSOD / SOD2 antibody IHC of human heart.



Anti-MNSOD / SOD2 antibody IHC of human liver.

## MNSOD / SOD2 Antibody - Background

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

## MNSOD / SOD2 Antibody - References

- Wispe J.R., et al. *Biochim. Biophys. Acta* 994:30-36(1989).  
Beck Y., et al. *Nucleic Acids Res.* 15:9076-9076(1987).  
Heckl K., et al. *Nucleic Acids Res.* 16:6224-6224(1988).  
Ho Y.-S., et al. *FEBS Lett.* 229:256-260(1988).

Church S.L., et al. *Biochim. Biophys. Acta* 1087:250-252(1990).