

MNSOD / SOD2 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15335**Specification**

MNSOD / SOD2 Antibody - Product Information

| | |
|-------------------|---|
| Application | WB, IF, IHC |
| Primary Accession | P04179 |
| Reactivity | Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Chicken, Sheep, Xenopus, Bovine, Guinea Pig, Dog, Drosophila |
| 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.

MNSOD / SOD2 Antibody - Protocols

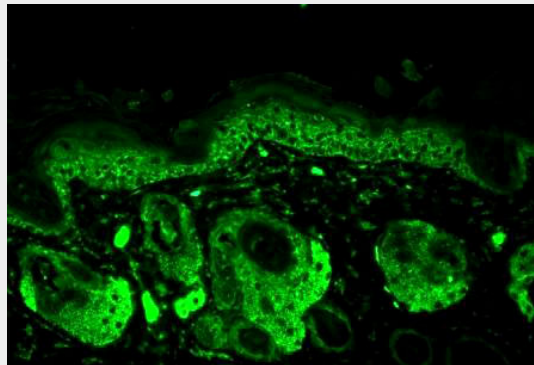
Provided below are standard protocols that you may find useful for product applications.

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

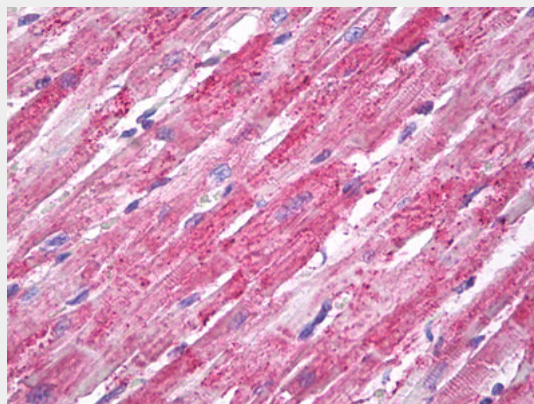
MNSOD / SOD2 Antibody - Images



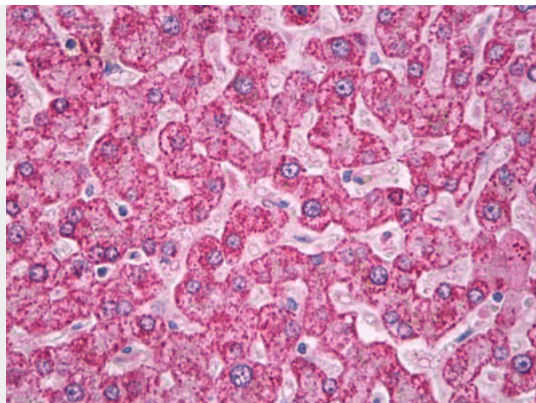
Western blot analysis of Mn SOD in rat tissue lysates, using a 1:1000 dilution of MNSOD / SOD2...



Mn SOD, Mouse back skin.



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).