

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

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**MNSOD / SOD2 Antibody - Product Information**

Application	WB, IF, IHC
Primary Accession	<a href="#">P04179</a>
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**

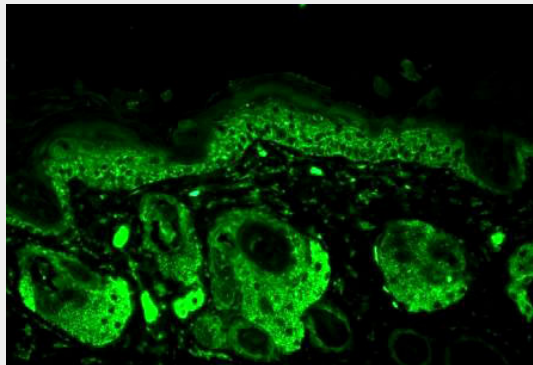
Provided below are standard protocols that you may find useful for product applications.

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

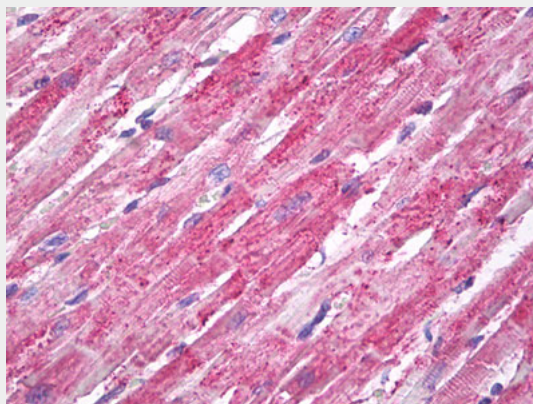
#### **MNSOD / SOD2 Antibody - Images**



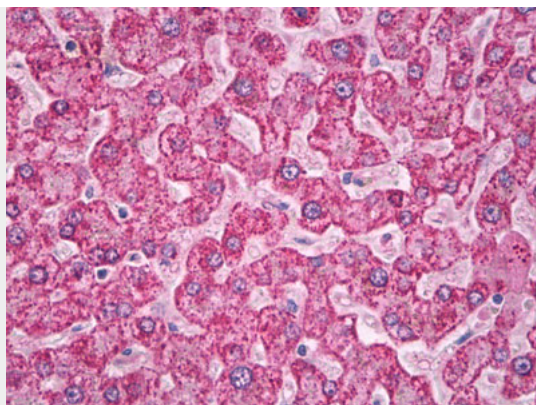
Western blot analysis of Mn SOD in rat tissue lysates, using a 1:1000 dilution of MNSOD / SOD2...



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).