

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

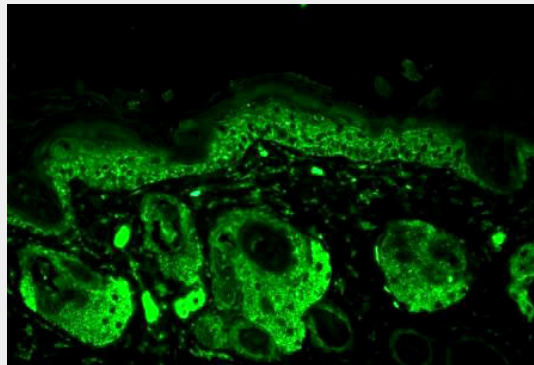
Provided below are standard protocols that you may find useful for product applications.

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

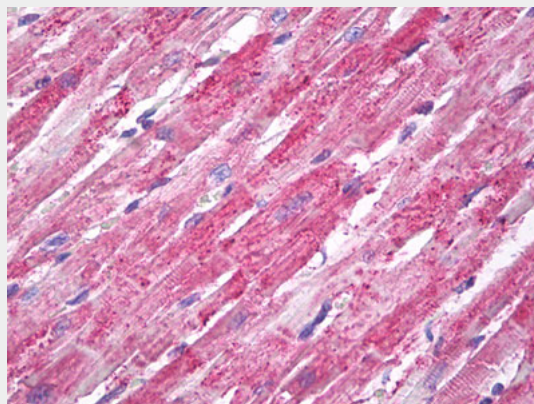
MNSOD / SOD2 Antibody - Images



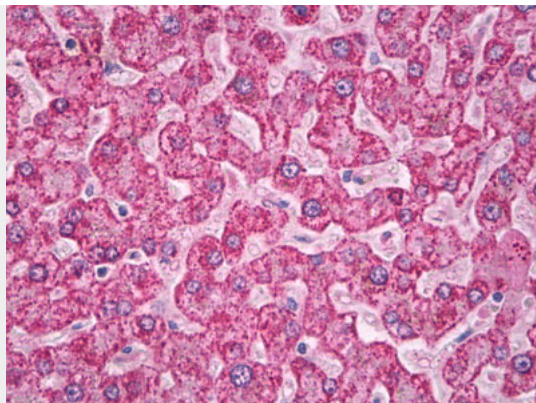
Western blot analysis of Mn SOD in rat tissue lysates, using a 1:1000 dilution of MNSOD / SOD2...



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).