

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

MNSOD / SOD2 Antibody - Product Information

Application	WB, IHC-P, IF, E, IP
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
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A IP~~N/A

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

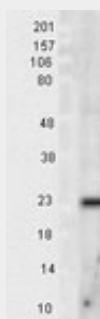
Mitochondrion matrix.

MNSOD / SOD2 Antibody - Protocols

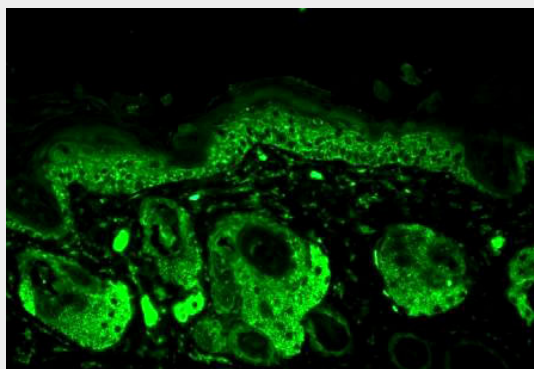
Provided below are standard protocols that you may find useful for product applications.

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

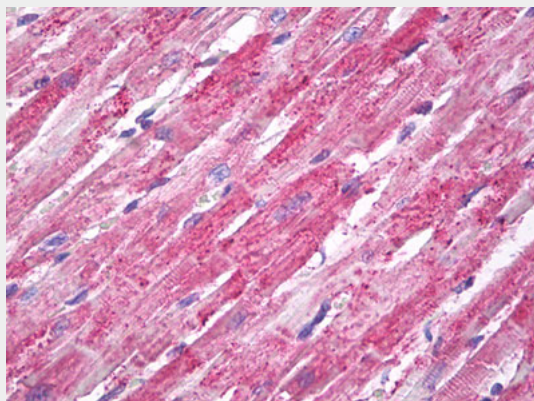
MNSOD / SOD2 Antibody - Images



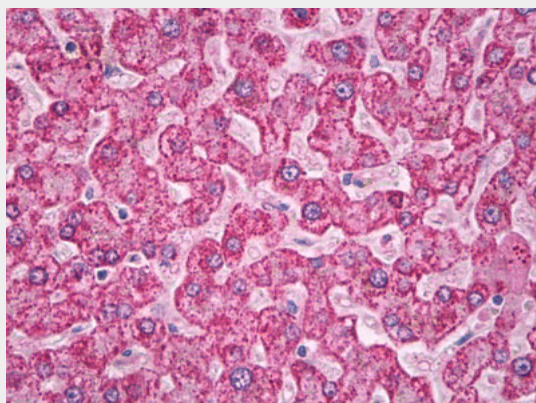
Western blot analysis of Mn SOD in rat tissue lysates, using a 1:1000 dilution of MNSOD / SOD2...



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).