

MNSOD (aa119-130) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3565a**Specification**

MNSOD (aa119-130) Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	P04179
Other Accession	NP_000627.2 , NP_001019637.1 , 6648 , 20656 (mouse), 24787 (rat)
Reactivity	Human, Mouse, Rat
Predicted	Zebrafish, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	24750

MNSOD (aa119-130) Antibody (internal region) - Additional Information**Gene ID** 6648**Other Names**

Superoxide dismutase [Mn], mitochondrial, 1.15.1.1, SOD2

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MNSOD (aa119-130) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

MNSOD (aa119-130) Antibody (internal region) - Protein Information**Name** SOD2**Function**

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

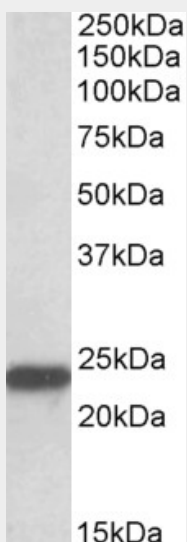
Cellular Location
Mitochondrion matrix.

MNSOD (aa119-130) Antibody (internal region) - Protocols

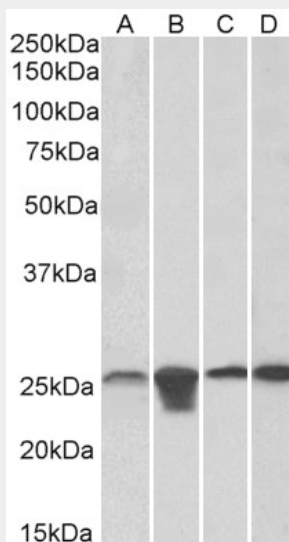
Provided below are standard protocols that you may find useful for product applications.

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

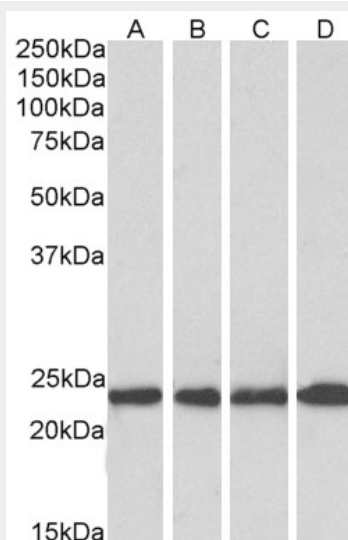
MNSOD (aa119-130) Antibody (internal region) - Images



AF3565a (0.1 $\mu\text{g/ml}$) staining of Mouse Spinal Cord lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3565a (0.1 µg/ml) staining of HeLa, HepG2, HEK293 and NIH3T3 (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3565a (0.3µg/ml) staining of Human Cerebellum (A), Mouse Brain (B), Rat Brain (C) and Pig Brain (D) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

MNSOD (aa119-130) Antibody (internal region) - Background

NB: The immunizing peptide represents the acetylation site including K122 according to isoform A. This antibody is expected to recognize both reported isoforms (NP_000627.2; NP_001019637.1) . Reported variants represent identical protein: NP_000627.2; NP_

MNSOD (aa119-130) Antibody (internal region) - References

Mitochondrial superoxide radicals differentially affect muscle activity and neural function. Godenschwege T, Forde R, Davis CP, Paul A, Beckwith K, Duttaroy A. Genetics. 2009 Sep;183(1):175-84. PMID: 19546321