

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

**Specification**

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

Application	WB
Primary Accession	<a href="#">P04179</a>
Other Accession	<a href="#">NP_000627.2</a> , <a href="#">NP_001019637.1</a> , <a href="#">6648</a> , <a href="#">20656</a> (mouse), <a href="#">24787</a> (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

**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**

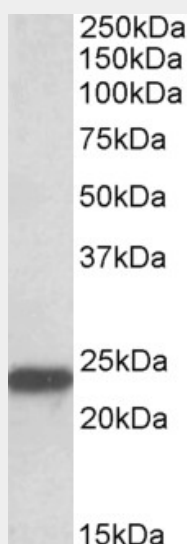
Mitochondrion matrix.

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

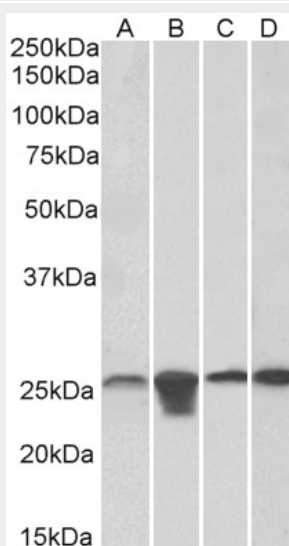
Provided below are standard protocols that you may find useful for product applications.

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

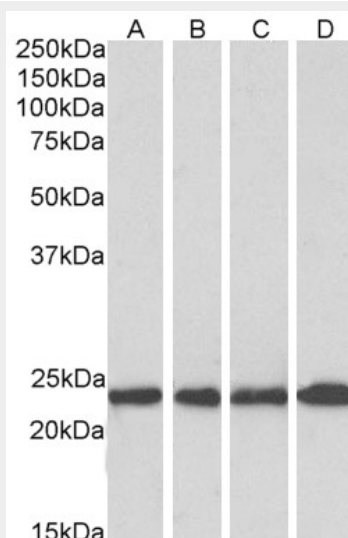
## MNSOD (aa119-130) Antibody (internal region) - Images



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



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



AF3565a (0.3 $\mu$ g/ml) staining of Human Cerebellum (A), Mouse Brain (B), Rat Brain (C) and Pig Brain (D) lysates (35 $\mu$ g 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