10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MNSOD (aa119-130) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3565a

Specification

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

Application	**WB**
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

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.

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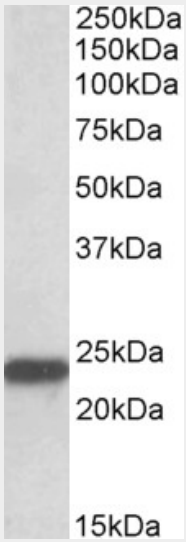
MNSOD (aa119-130) Antibody (internal region) - Protocols

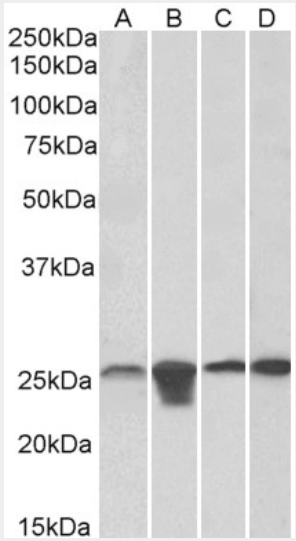
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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



AF3565a (0.1 µg/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.

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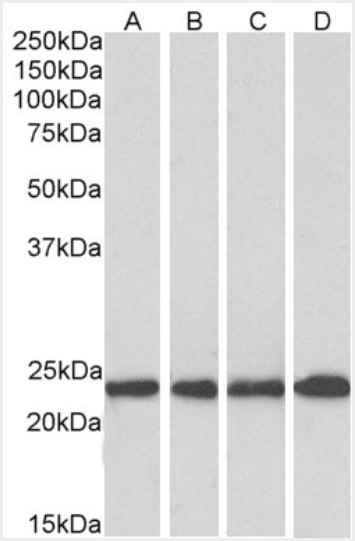

AF3565a (0.3µg/ml) staining of Human Cerebellum (A), Mouse Brain (B), Rat Brain (C) and Pig Brain (D) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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