

MNSOD (isoform A) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3564a**Specification**

MNSOD (isoform A) Antibody (internal region) - Product Information

| | |
|-------------------|--|
| Application | WB |
| Primary Accession | P04179 |
| Other Accession | NP_000627.2 , 6648 |
| Reactivity | Human |
| Predicted | Pig |
| Host | Goat |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Isotype | IgG |
| Calculated MW | 24750 |

MNSOD (isoform A) 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 (isoform A) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

MNSOD (isoform A) 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

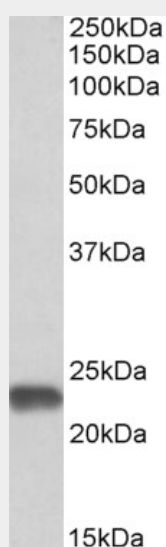
Mitochondrion matrix.

MNSOD (isoform A) 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 (isoform A) Antibody (internal region) - Images



AF3564a (0.01 $\mu\text{g/ml}$) staining of Human Cerebellum lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

MNSOD (isoform A) Antibody (internal region) - Background

This antibody is expected to recognize isoform A (NP_000627.2) only. Reported variants represent identical protein: NP_000627.2; NP_001019636.1.

MNSOD (isoform A) 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