

**Superoxide Dismutase 3 Antibody**  
**Rabbit mAb**  
**Catalog # AP91464**

**Specification**

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**Superoxide Dismutase 3 Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P08294</a>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
EC SOD; Extracellular superoxide dismutase [Cu Zn]; Extracellular superoxide dismutase precursor; SOD3; Superoxide dismutase 3 extracellular;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>25851 Da</b>

**Superoxide Dismutase 3 Antibody - Additional Information**

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human Superoxide Dismutase 3</b>
Description	<b>Protect the extracellular space from toxic effect of reactive oxygen intermediates by converting superoxide radicals into hydrogen peroxide and oxygen.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

**Superoxide Dismutase 3 Antibody - Protein Information**

**Name** SOD3

**Function**

Protect the extracellular space from toxic effect of reactive oxygen intermediates by converting superoxide radicals into hydrogen peroxide and oxygen.

**Cellular Location**

Secreted, extracellular space. Golgi apparatus, trans-Golgi network {ECO:0000250|UniProtKB:O09164}. Note=99% of EC-SOD is anchored to heparan sulfate proteoglycans in the tissue interstitium, and 1% is located in the vasculature in equilibrium between the plasma and the endothelium

**Tissue Location**

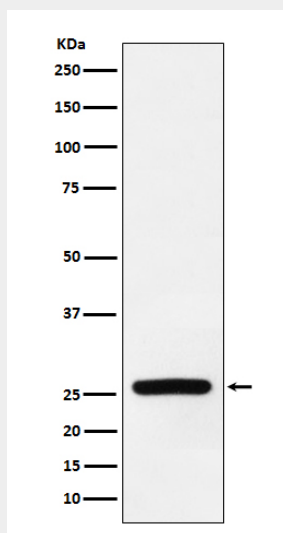
Expressed in blood vessels, heart, lung, kidney and placenta. Major SOD isoenzyme in extracellular fluids such as plasma, lymph and synovial fluid

## Superoxide Dismutase 3 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](#)

## Superoxide Dismutase 3 Antibody - Images



Western blot analysis of Superoxide Dismutase 3 expression in human fetal heart lysate.