

SOD3 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20996c

Specification

SOD3 Antibody (C-term) - Product Information

WB,E
<u>P08294</u>
Human
Rabbit
Polyclonal
Rabbit IgG
25851

SOD3 Antibody (C-term) - Additional Information

Gene ID 6649

Other Names Extracellular superoxide dismutase [Cu-Zn], EC-SOD, SOD3

Target/Specificity

This SOD3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 186-219 amino acids from the C-terminal region of human SOD3.

Dilution WB~~1:500-1:1000 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions SOD3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SOD3 Antibody (C-term) - 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

SOD3 Antibody (C-term) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

SOD3 Antibody (C-term) - Images



Western blot analysis of lysates from human placenta, human lung, human kidney tissue lysate (from left to right), using SOD3 Antibody (C-term)(Cat. #AP20996c). AP20996c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

SOD3 Antibody (C-term) - Background

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

SOD3 Antibody (C-term) - References



Hjalmarsson K.,et al.Proc. Natl. Acad. Sci. U.S.A. 84:6340-6344(1987). Folz R.J.,et al.Genomics 22:162-171(1994). Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases. Adachi T.,et al.Free Radic. Biol. Med. 13:205-210(1992). Nozik-Grayck E.,et al.Int. J. Biochem. Cell Biol. 37:2466-2471(2005).