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SOD3 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20996c

Product Information

Application	WB, E
Primary Accession	P08294
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB50737
Calculated MW	25851

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.

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

Background

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

References

Hjalmarsson K.,et al.Proc. Natl. Acad. Sci. U.S.A. 84:6340-6344(1987).
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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).
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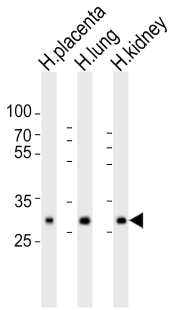
Images



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.