

Superoxide Dismutase 3 Antibody

Rabbit mAb

Catalog # AP91464

Product Information

Application	WB, IHC
Primary Accession	P08294
Reactivity	Human
Clonality	Monoclonal
Other Names	EC SOD; Extracellular superoxide dismutase [Cu Zn]; Extracellular superoxide dismutase precursor; SOD3; Superoxide dismutase 3 extracellular;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	25851

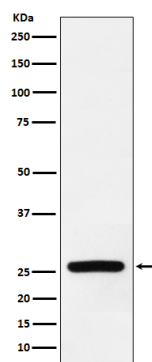
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Superoxide Dismutase 3
Description	Protect the extracellular space from toxic effect of reactive oxygen intermediates by converting superoxide radicals into hydrogen peroxide and oxygen.
Storage Condition and Buffer	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.

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

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.