abcam

Product datasheet

Anti-Superoxide Dismutase 3/EC-SOD antibody ab83108

10 References 1 Image

Overview

Product name	Anti-Superoxide Dismutase 3/EC-SOD antibody
Description	Rabbit polyclonal to Superoxide Dismutase 3/EC-SOD
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse, Rat, Human **Predicted to work with:** Rabbit
Immunogen	Synthetic peptide corresponding to Superoxide Dismutase 3/EC-SOD. Database link: **P08294**
Positive control	Rat and mouse Lung Tissue Extract; Human Superoxide Dismutase 3/EC-SOD Protein.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab83108 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 35 kDa (predicted molecular weight: 26 kDa).

Target

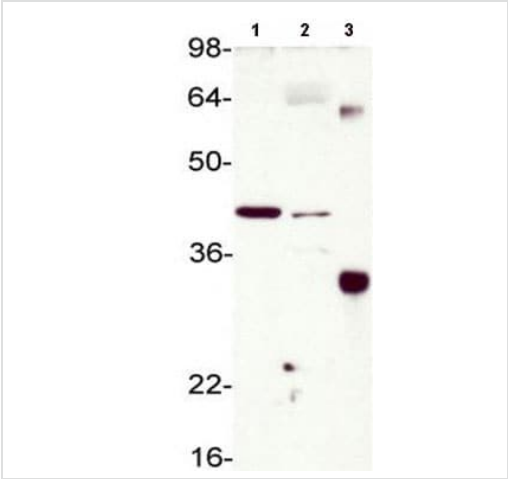
Function Protect the extracellular space from toxic effect of reactive oxygen intermediates by converting superoxide radicals into hydrogen peroxide and oxygen.

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

Sequence similarities Belongs to the Cu-Zn superoxide dismutase family.

Cellular localization Secreted > extracellular space. 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.

Images



Western blot - Anti-Superoxide Dismutase 3/EC-SOD antibody (ab83108)

All lanes : Anti-Superoxide Dismutase 3/EC-SOD antibody (ab83108) at 1/1000 dilution

Lane 1 : Rat lung tissue extract
Lane 2 : Mouse lung tissue extract
Lane 3 : Human Superoxide Dismutase 3/EC-SOD protein

Developed using the ECL technique.

Predicted band size: 26 kDa
Observed band size: 35 kDa
Additional bands at: 40 kDa (possible glycosylated form), 60 kDa (possible dimer)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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