


Product datasheet

Anti-Superoxide Dismutase 3 antibody ab83108

[2 References](#) [1 Image](#)

Overview

Product name	Anti-Superoxide Dismutase 3 antibody
Description	Rabbit polyclonal to Superoxide Dismutase 3
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Rabbit 
Immunogen	Synthetic peptide derived from Superoxide Dismutase 3
Positive control	Rat and mouse Lung Tissue Extract; Human Superoxide Dismutase 3 Protein.

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, PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab83108** in the following tested applications.

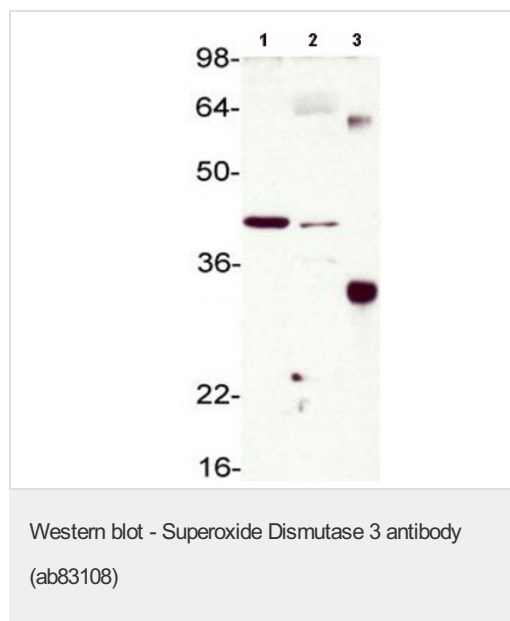
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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



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

Lane 1 : Rat lung tissue extract

Lane 2 : Mouse lung tissue extract

Lane 3 : Human Superoxide Dismutase 3 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)

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