


Product datasheet

# Anti-Superoxide Dismutase 3 antibody ab83108

[2 References](#)   [1 Image](#)

Overview

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

Properties

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

Applications

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

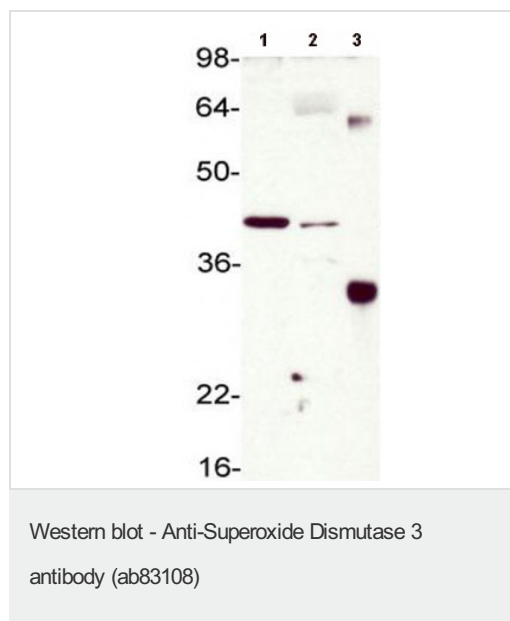
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

<b>Function</b>	Protect the extracellular space from toxic effect of reactive oxygen intermediates by converting superoxide radicals into hydrogen peroxide and oxygen.
<b>Tissue specificity</b>	Expressed in blood vessels, heart, lung, kidney and placenta. Major SOD isoenzyme in extracellular fluids such as plasma, lymph and synovial fluid.
<b>Sequence similarities</b>	Belongs to the Cu-Zn superoxide dismutase family.
<b>Cellular localization</b>	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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