


## Product datasheet

# Anti-Superoxide Dismutase 4/CCS antibody [EPR9713(B)] ab137131

Recombinant RabMAb

[1 Abreviews](#) [1 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-Superoxide Dismutase 4/CCS antibody [EPR9713(B)]
<b>Description</b>	Rabbit monoclonal [EPR9713(B)] to Superoxide Dismutase 4/CCS
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide within Human Superoxide Dismutase 4/CCS aa 250-350 (C terminal). The exact sequence is proprietary.
<b>Positive control</b>	HeLa, 293T, HepG2, and Jurkat cell lysates
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR9713(B)
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab137131 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

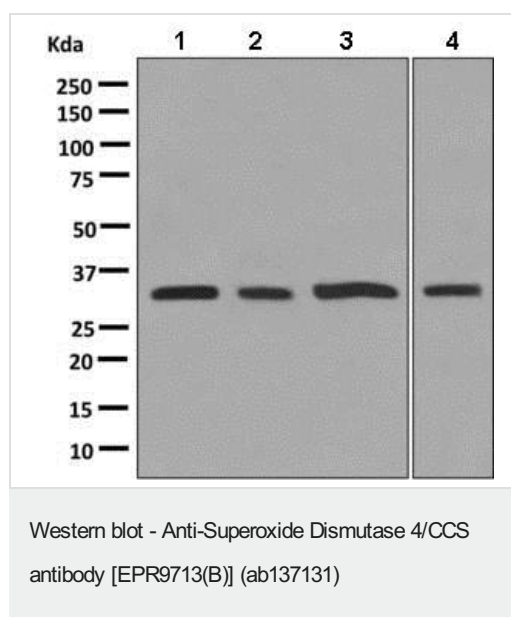
Application	Abreviews	Notes
<b>WB</b>		1/1000 - 1/10000. Detects a band of approximately 30 kDa (predicted molecular weight: 29 kDa).

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

## Target

<b>Function</b>	Delivers copper to copper zinc superoxide dismutase (SOD1).
<b>Tissue specificity</b>	Ubiquitous.
<b>Sequence similarities</b>	In the C-terminal section; belongs to the Cu-Zn superoxide dismutase family. Contains 1 HMA domain.
<b>Cellular localization</b>	Cytoplasm.

## Images



**All lanes** : Anti-Superoxide Dismutase 4/CCS antibody [EPR9713(B)] (ab137131) at 1/1000 dilution

**Lane 1** : HeLa cell lysate

**Lane 2** : 293T cell lysate

**Lane 3** : HepG2 cell lysate

**Lane 4** : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 29 kDa

**Observed band size:** 30 kDa

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Superoxide Dismutase 4/CCS antibody  
[EPR9713(B)] (ab137131)

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

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