


### Anti-SOD2/MnSOD antibody ab13533

★★★★★ [30 Abreviews](#) [301 References](#) [3 图像](#)

#### 概述

产品名称	Anti-SOD2/MnSOD抗体
描述	兔多克隆抗体to SOD2/MnSOD
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Rat 预测可用于: Human 
免疫原	Recombinant fragment corresponding to Human SOD2/MnSOD. Database link: <a href="#">P04179</a>
阳性对照	WB: Mouse Brain ; Rat Brain ; Rat Brain Membrane; Mouse Liver ; Mouse Hepatocytes
常规说明	<p>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.</p> <p>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&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.1% Sodium azide Constituents: PBS, 50% Glycerol
纯度	Immunogen affinity purified
纯化说明	This antibody was immunoaffinity purified.
克隆	多克隆
同种型	IgG

#### 应用

The Abpromise guarantee

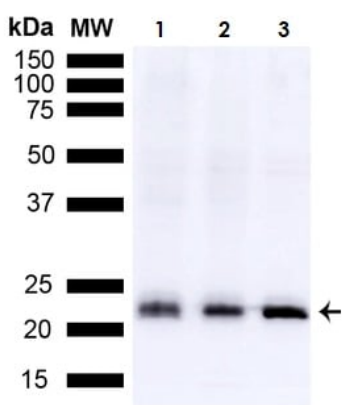
Abpromise™承诺保证使用ab13533于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (22)	1/5000. Detects a band of approximately 25 kDa (predicted molecular weight: 26.6 kDa).

靶标	
功能	Destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems.
疾病相关	Genetic variation in SOD2 is associated with susceptibility to microvascular complications of diabetes type 6 (MVCD6) [MIM:612634]. These are pathological conditions that develop in numerous tissues and organs as a consequence of diabetes mellitus. They include diabetic retinopathy, diabetic nephropathy leading to end-stage renal disease, and diabetic neuropathy. Diabetic retinopathy remains the major cause of new-onset blindness among diabetic adults. It is characterized by vascular permeability and increased tissue ischemia and angiogenesis.
序列相似性	Belongs to the iron/manganese superoxide dismutase family.
翻译后修饰	Nitrated under oxidative stress. Nitration coupled with oxidation inhibits the catalytic activity.
细胞定位	Mitochondrion matrix.

图片



Western blot - Anti-SOD2/MnSOD antibody (ab13533)

**All lanes :** Anti-SOD2/MnSOD antibody (ab13533) at 1/1000 dilution (o/n at 4degC)

**Lane 1 :** Mouse brain  
**Lane 2 :** Rat brain  
**Lane 3 :** Rat brain membrane

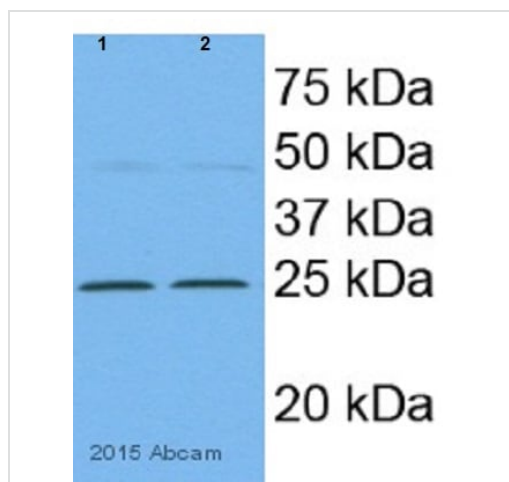
Lysates/proteins at 15 µg per lane.

**Secondary**  
**All lanes :** Goat anti-rabbit IgG HRP for 1 hr at RT with shaking at 1/5000 dilution

**Predicted band size:** 26.6 kDa

Block: 5% Skim Milk powder in TBST.

Color Development: Chemiluminescent for HRP for 5 min at RT.



Western blot - Anti-SOD2/MnSOD antibody  
(ab13533)

Image courtesy of anonymous abreviewer

**All lanes :** Anti-SOD2/MnSOD antibody (ab13533) at 1/5000 dilution

**Lane 1 :** mouse liver whole cell lysate

**Lane 2 :** mouse hepatocytes whole cell lysate

#### Secondary

**All lanes :** Goat anti-rabbit HRP conjugate at 1/20000 dilution

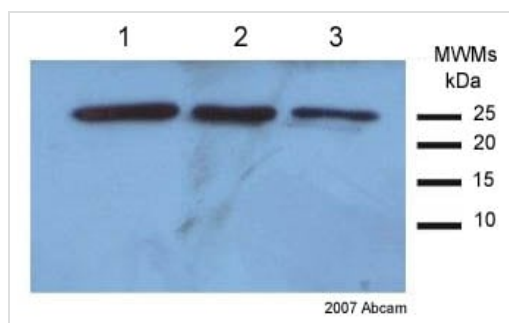
Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 26.6 kDa

**Observed band size:** 24 kDa

**Exposure time:** 15 seconds



Western blot - Anti-SOD2/MnSOD antibody  
(ab13533)

This image is courtesy of an Abreview submitted by Dr  
sandra sobocanec

**All lanes :** Anti-SOD2/MnSOD antibody (ab13533) at 1/5000 dilution

**Lane 1 :** 2ug mouse liver homogenate supernatant

**Lane 2 :** 1ug mouse liver homogenate supernatant

**Lane 3 :** 0.5ug mouse liver homogenate supernatant

#### Secondary

**All lanes :** HRP conjugated donkey anti-rabbit antibody

Performed under reducing conditions.

**Predicted band size:** 26.6 kDa

**Observed band size:** 25 kDa

**Exposure time:** 10 seconds

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

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