




### Anti-SOD2/MnSOD antibody ab118340

**2 References**   **3 图像**

#### 概述

产品名称	Anti-SOD2/MnSOD抗体
描述	山羊多克隆抗体to SOD2/MnSOD
宿主	Goat
特异性	ab118340 is expected to recognize both reported isoforms (NP_000627.2; NP_001019637.1). The immunizing peptide represents the acetylation site including K122 according to isoform A.
经测试应用	<b>适用于:</b> WB
种属反应性	<b>与反应:</b> Mouse, Rat, Human, Pig <b>预测可用于:</b> Cow, Dog, Zebrafish 
免疫原	Synthetic peptide corresponding to Human SOD2/MnSOD aa 100-200 (internal sequence) (Cysteine residue). Database link: <a href="#">P04179</a> <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
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 repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 99% Tris buffered saline
纯度	Immunogen affinity purified
纯化说明	ab118340 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	多克隆

同种型

lgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab118340于以下的经测试应用

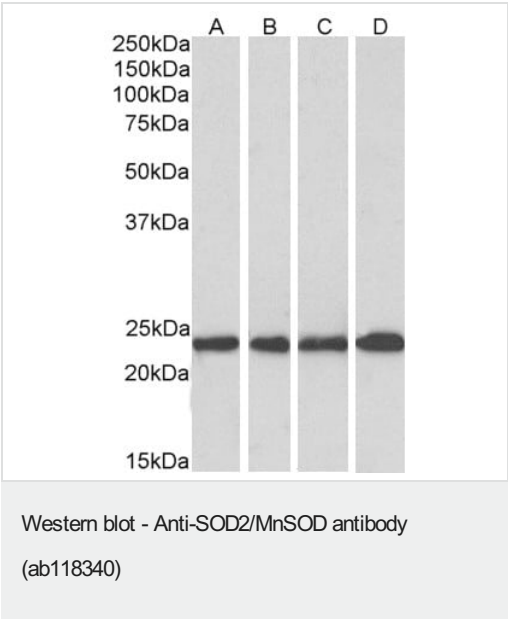
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 0.01 - 0.1 µg/ml. Detects a band of approximately 24 kDa (predicted molecular weight: 25 kDa). A 1 hour primary incubation is recommended for this product.

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

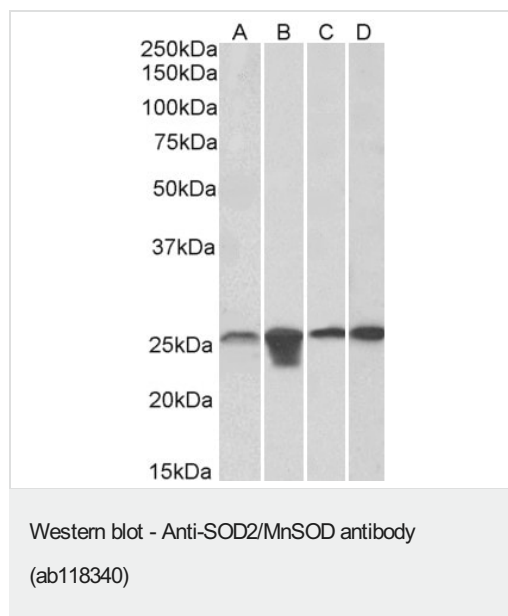


All lanes : Anti-SOD2/MnSOD antibody (ab118340)

- Lane 1 : Human Cerebellum lysate
- Lane 2 : Mouse Brain lysate
- Lane 3 : Rat Brain lysate
- Lane 4 : Pig Brain lysate

Lysates/proteins at 35 µg per lane.

Predicted band size: 25 kDa



**All lanes :** Anti-SOD2/MnSOD antibody (ab118340)

**Lane 1 :** HeLa cell lysate

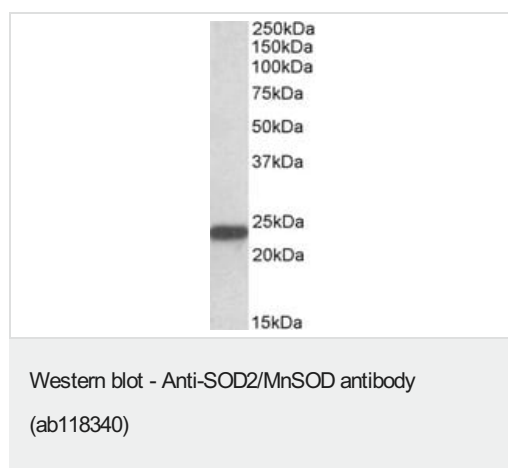
**Lane 2 :** HepG2

**Lane 3 :** HEK293

**Lane 4 :** NIH3T3

Lysates/proteins at 35 µg per lane.

**Predicted band size:** 25 kDa



Anti-SOD2/MnSOD antibody (ab118340) at 0.1 µg/ml (incubation time: 1 hour) + Mouse Spinal Cord lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

**Predicted band size:** 25 kDa

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

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