

Anti-Superoxide Dismutase 1 antibody ab13498

★★★★★ [23 Abreviews](#) [171 References](#) [1 图像](#)

概述

| | |
|-------|---|
| 产品名称 | Anti-Superoxide Dismutase 1抗体 |
| 描述 | 兔多克隆抗体to Superoxide Dismutase 1 |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: IHC-P, ELISA, IHC-Fr, ICC/IF, IP, WB |
| 种属反应性 | 与反应: Mouse, Rat, Sheep, Rabbit, Hamster, Cow, Dog, Human, Pig, Xenopus laevis, Drosophila melanogaster, Fish, Monkey, African green monkey, Coral, Mollusk |
| 免疫原 | Synthetic peptide corresponding to Human Superoxide Dismutase 1. Database link: P00441 |
| 阳性对照 | WB: HeLa (Human epithelial cell line from cervix adenocarcinoma) |
| 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&As</p> |

性能

| | |
|------|--|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| 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 purified on an antigen coupled sepharose column. |
| 克隆 | 多克隆 |
| 同种型 | IgG |

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab13498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 |
|--------|------------|--|
| IHC-P | | Use at an assay dependent concentration. |
| ELISA | | Use at an assay dependent concentration. See Downs et al 2002. |
| IHC-Fr | ★★★★★ (3) | Use at an assay dependent concentration. |
| ICC/IF | ★★★★★ (6) | Use at an assay dependent concentration. See Abreview. |
| IP | | Use at an assay dependent concentration. See Shinder et al 2001. |
| WB | ★★★★★ (13) | 1/5000. Detects a band of approximately 23 kDa (predicted molecular weight: 16 kDa). |

靶标

功能

Destroys radicals which are normally produced within the cells and which are toxic to biological systems.

疾病相关

Defects in SOD1 are the cause of amyotrophic lateral sclerosis type 1 (ALS1) [MIM:105400]. ALS1 is a familial form of amyotrophic lateral sclerosis, a neurodegenerative disorder affecting upper and lower motor neurons and resulting in fatal paralysis. Sensory abnormalities are absent. Death usually occurs within 2 to 5 years. The etiology of amyotrophic lateral sclerosis is likely to be multifactorial, involving both genetic and environmental factors. The disease is inherited in 5-10% of cases leading to familial forms.

序列相似性

Belongs to the Cu-Zn superoxide dismutase family.

翻译后修饰

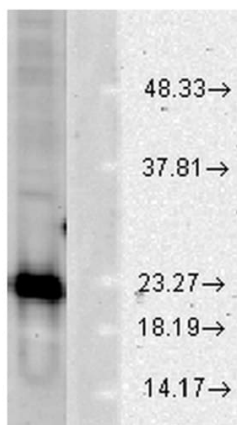
Unlike wild-type protein, the pathogenic variants ALS1 Arg-38, Arg-47, Arg-86 and Ala-94 are polyubiquitinated by RNF19A leading to their proteasomal degradation. The pathogenic variants ALS1 Arg-86 and Ala-94 are ubiquitinated by MARCH5 leading to their proteasomal degradation.

The ditryptophan cross-link at Trp-33 is responsible for the non-disulfide-linked homodimerization. Such modification might only occur in extreme conditions and additional experimental evidence is required.

细胞定位

Cytoplasm. The pathogenic variants ALS1 Arg-86 and Ala-94 gradually aggregates and accumulates in mitochondria.

图片



Western blot - Anti-Superoxide Dismutase 1 antibody (ab13498)

Anti-Superoxide Dismutase 1 antibody (ab13498) at 0.2 μ g/ml (2 hrs at RT) + HeLa (Human epithelial cell line from cervix adenocarcinoma) lysate at 15 μ g

Secondary

Donkey Anti-Rabbit IgG HRP 1 hr at RT

Predicted band size: 16 kDa

Observed band size: 23 kDa

Block: 1.5% BSA.

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

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