

Product datasheet

Recombinant human Peroxiredoxin 2 protein ab85331

1 图像

概述

| | |
|------|----------------------|
| 产品名称 | 重组人Peroxiredoxin 2蛋白 |
| 蛋白长度 | Full length protein |

描述

| | |
|----|------------------|
| 性质 | Recombinant |
| 来源 | Escherichia coli |

氨基酸序列

| | |
|----|--|
| 种属 | Human |
| 序列 | MASGNARIGK PAPDFKATAV VDGAFKEVKL SDYKGGKYVVL FFYPLDFTFV CPTEIIAFSN RAEDFRKLGK EVLGVSVDSQ FTHLAWINTP RKEGGLGPLN IPLLADVTRR LSEDYGVLKT DEGIAYRGLF IIDGKGVLRQ ITVNDLPVGR SVDEALRLVQ AFQYTDEHGE VCPAGWKPGS DTIKPNVDDS KEYFSKHN |

技术指标

Our [Abpromise guarantee](#) covers the use of **ab85331** in the following tested applications.

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

| | |
|------|---|
| 生物活性 | Enzymatic activity was confirmed by measuring the remaining peroxide after incubation of PRDX2 and peroxide for 20 min at room temperature. Specific activity is defined as the amount of hydroperoxide that 1ug of enzyme can reduce at 25 C for 1 minute. |
|------|---|

| | |
|----|--------------------------------|
| 应用 | Functional Studies SDS-PAGE |
|----|--------------------------------|

| | |
|----|--|
| 纯度 | > 90 % SDS-PAGE. ab85331 is purified using conventional chromatography. |
|----|--|

| | |
|----|--------|
| 形式 | Liquid |
|----|--------|

制备和贮存

稳定性和存储

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Preservative: None

Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0

This product is an active protein and may elicit a biological response in vivo, handle with caution.

常规信息

功能

Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system. It is not able to receive electrons from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H₂O₂.

序列相似性

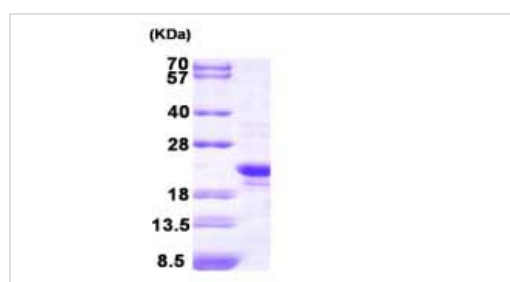
Belongs to the ahpC/TSA family.

Contains 1 thioredoxin domain.

细胞定位

Cytoplasm.

图片



15% SDS-PAGE analysis of 3µg ab85331

SDS-PAGE - Peroxiredoxin 2 protein (Human)
(ab85331)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors