abcam

Product datasheet

# Anti-Calnexin antibody [EPR21205] ab213243

敲除验证 重组

**6 References** 2 图像

## 概述

| | |
|---|---|
| **产品名称** | Anti-Calnexin抗体[EPR21205] |
| **描述** | 兔单克隆抗体[EPR21205] to Calnexin |
| **宿主** | Rabbit |
| **经测试应用** | **适用于:** WB<br>**不适用于:** ICC/IF |
| **种属反应性** | **与反应:** Mouse, Human |
| **免疫原** | Recombinant full length protein (His-tag) corresponding to Mouse Calnexin. Expressed in HEK293 Cells<br>Database link: **NP_031623.1** |
| **阳性对照** | WB: NIH3T3, HeLa, HAP1 |
| **常规说明** | This product was made using **synthetic libraries and phage display technology**.<br>This antibody is a recombinant chimeric antibody. Rabbit chimeric monoclonal antibody (Human Fab/ Rabbit Fc). |

## 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 long term. Avoid freeze / thaw cycle. |
| **存储溶液** | pH: 7.2<br>Preservative: 0.01% Sodium azide<br>Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine) |
| **克隆** | 单克隆 |
| **克隆编号** | EPR21205 |
| **同种型** | IgG1 |

## 应用

| | |
|---|---|
| **The Abpromise guarantee** | **Abpromise™承诺保证使用ab213243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 1 - 2.5 µg/ml. Predicted molecular weight: 68 kDa. |

**应用说明** Is unsuitable for ICC/IF.

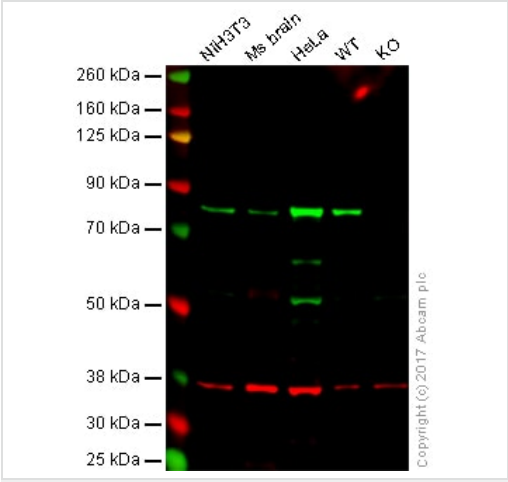
## 靶标

**功能** Calcium-binding protein that interacts with newly synthesized glycoproteins in the endoplasmic reticulum. It may act in assisting protein assembly and/or in the retention within the ER of unassembled protein subunits. It seems to play a major role in the quality control apparatus of the ER by the retention of incorrectly folded proteins.

**序列相似性** Belongs to the calreticulin family.

**细胞定位** Endoplasmic reticulum membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

## 图片

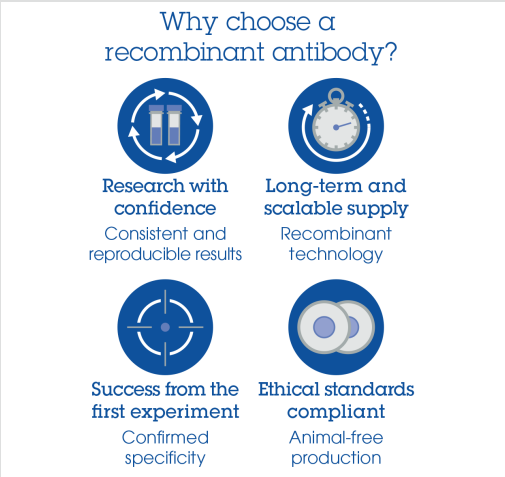



Western blot - Anti-Calnexin antibody [EPR21205] (ab213243)

**Lane 1:** NIH3T3 whole cell lysate (10 µg)
**Lane 2:** Mouse brain whole tissue lysate (10 µg)
**Lane 3:** HeLa whole cell lysate (10 µg)
**Lane 4:** Hap1 Wild-type whole cell lysate (10 µg)
**Lane 5:** CANX knockout Hap1 whole cell lysate (10 µg)

**Lanes 1 - 5:** Merged signal (red and green). Green - ab213243 observed at 75 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab213243 was shown to specifically react with Calnexin in wild-type HAP1 cells as signal was lost in Calnexin (*CANX*) knockout cells. Wild-type and CANX knockout samples were subjected to SDS-PAGE. Nitrocellulose membranes were blocked in 3% milk in TBST before ab213243 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1µg/mL and 1/10,000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.




Anti-Calnexin antibody [EPR21205] (ab213243)

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

## 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