abcam

Product datasheet

Anti-B27 antibody ab103319

2 References 3 图像

概述

产品名称	Anti-B27抗体
描述	兔多克隆抗体to B27
宿主	Rabbit
经测试应用	**适用于:** WB, IHC-P, ICC/IF
种属反应性	**与反应:** Human
免疫原	Synthetic peptide corresponding to Human B27 aa 7-36 (N terminal) conjugated to keyhole limpet haemocyanin.
阳性对照	293 cell lysate. Human breast carcinoma. This antibody gave a positive result when used in the following methanol fixed cell lines: U-87 MG
常规说明	Previously labelled as MRAP.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
存储溶液	Preservative: 0.09% Sodium azide Constituent: PBS
纯度	Immunogen affinity purified
纯化说明	Purified through a protein A column, followed by peptide affinity purification.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab103319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		1/100 - 1/500. Predicted molecular weight: 19 kDa.

应用	Ab评论	说明
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 1 µg/ml.

靶标

功能

Required for MC2R expression in certain cell types, suggesting that it is involved in the processing, trafficking or function of MC2R. May be involved in the intracellular trafficking pathways in adipocyte cells.

组织特异性

Expressed in adrenal cortex, testis, breast, thyroid, lymph node, ovary and fat. Expressed in adipose tissues.

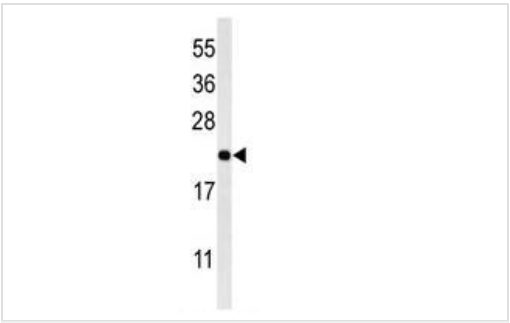
疾病相关

Defects in MRAP are the cause of glucocorticoid deficiency type 2 (GCCD2) [MIM:607398]; also known as familial glucocorticoid deficiency type 2 (FGD2). GCCD2 is an autosomal recessive disorder due to congenital insensitivity or resistance to adrenocorticotropin (ACTH). It is characterized by progressive primary adrenal insufficiency, without mineralocorticoid deficiency.

细胞定位

Cytoplasm > perinuclear region. Cytoplasm. Cell membrane. Endoplasmic reticulum. Concentrated at the perinuclear membrane region. Upon insulin stimulation, it is redistributed into spotty structures throughout the cytoplasm (By similarity). Localizes both to plasma membrane and endoplasmic reticulum.

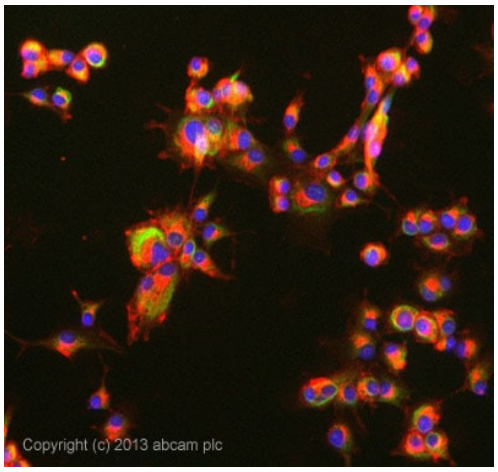
图片



Western blot - Anti-B27 antibody (ab103319)

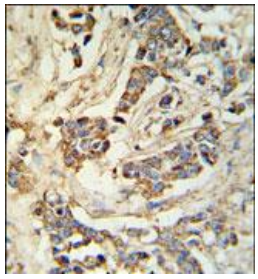
Anti-B27 antibody (ab103319) at 1/100 dilution + 293 cell lysate at 35 µg

Predicted band size: 19 kDa



Immunocytochemistry/ Immunofluorescence - Anti-B27 antibody (ab103319)

ab103319 stained U-87 MG cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab103319 at 1µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (**ab96899**) IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-B27 antibody (ab103319)

ab103319, at 1/50 dilution, staining B27 in Human breast carcinoma by immunohistochemistry.

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