abcam

Product datasheet

Anti-CAD antibody ab99312

3 References 2 图像

概述

产品名称	Anti-CAD抗体
描述	**兔多克隆抗体**to CAD
宿主	Rabbit
经测试应用	**适用于:** IHC-P, WB
种属反应性	**与反应:** Mouse, Human **预测可用于:** Rat, Rabbit, Guinea pig, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Chinese hamster, Orangutan, Elephant
免疫原	Synthetic peptide corresponding to Human CAD aa 1650-1750. Database link: **NP_004332.2**
阳性对照	HeLa, 293T and NIH3T3 whole cell lysates.
常规说明	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. 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

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
纯度	Immunogen affinity purified
克隆	**多克隆**
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab99312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。

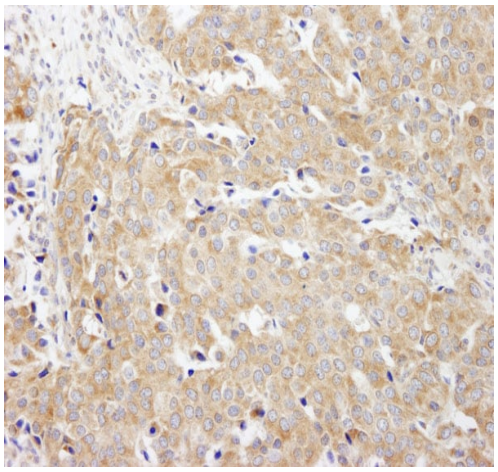
应用	Ab评论	说明
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/2000 - 1/10000. Predicted molecular weight: 243 kDa.

靶标

相关性 Carbamoyl phosphate synthetase-aspartate carbamoyltransferase-dihydroorotase (CAD) is a multifunctional protein that initiates and regulates mammalian de novo pyrimidine biosynthesis. This trifunctional protein which is associated with the enzymatic activities of the first 3 enzymes in the 6-step pathway of pyrimidine biosynthesis is the rate-limiting step in the de novo pyrimidine synthetic pathway. Although most of the CAD protein in the cell is cytosolic, phosphorylation at threonine 456 localizes the protein to the nucleus. While MAPK and EGF phosphorylate CAD at threonine 456, MAPK and c-myc have been found to induce over-expression of CAD.

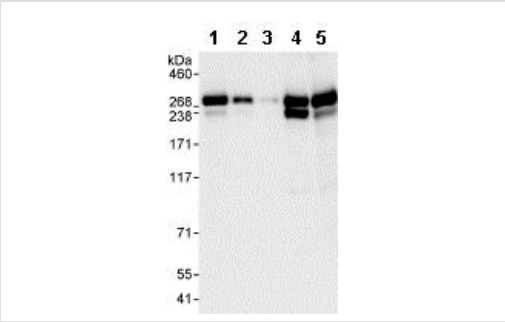
细胞定位 Cytoplasmic and Nuclear

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAD antibody (ab99312)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling CAD with ab99312 at 1/200 (1µg/ml). Detection: DAB.



Western blot - Anti-CAD antibody (ab99312)

All lanes : Anti-CAD antibody (ab99312) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysates at 50 µg
Lane 2 : HeLa whole cell lysates at 15 µg
Lane 3 : HeLa whole cell lysates at 5 µg
Lane 4 : 293T whole cell lysates at 50 µg
Lane 5 : NIH3T3 whole cell lysates at 50 µg

Predicted band size: 243 kDa

Exposure time: 3 seconds

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