abcam

Product datasheet

Anti-Coxsackie Adenovirus Receptor/hCAR antibody ab100811

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概述

产品名称	Anti-Coxsackie Adenovirus Receptor/hCAR抗体
描述	**兔多克隆抗体**to Coxsackie Adenovirus Receptor/hCAR
宿主	Rabbit
经测试应用	**适用于:** WB, IP, IHC-P
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Platypus
免疫原	Synthetic peptide corresponding to Human Coxsackie Adenovirus Receptor/hCAR aa 300-400. NP_001329.1 Database link: **P78310**
阳性对照	HeLa whole cell lysate (**ab150035**)
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: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
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ab100811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	★★★★★ (2)	1/2000 - 1/10000. Predicted molecular weight: 40 kDa.
IP	★★★★★ (1)	Use at 2-5 µg/mg of lysate.
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

功能 Component of the epithelial apical junction complex that is essential for the tight junction integrity. Proposed to function as a homophilic cell adhesion molecule. Recruits MPDZ to intercellular contact sites. Probably involved in transepithelial migration of polymorphonuclear leukocytes (PMN) through adhesive interactions with AMICA1/JAML located in the plasma membrane of PMN.

组织特异性 Expressed in pancreas, brain, heart, small intestine, testis, prostate and at a lower level in liver and lung. Isoform 5 is ubiquitously expressed. Isoform 3 is expressed in heart, lung and pancreas. In skeletal muscle, isoform 1 is found at the neuromuscular junction and isoform 2 is found in blood vessels. In cardiac muscle, isoform 1 and isoform 2 are found at intercalated disks. In heart expressed in subendothelial layers of the vessel wall but not in the luminal endothelial surface. Expression is elevated in hearts with dilated cardiomyopathy.

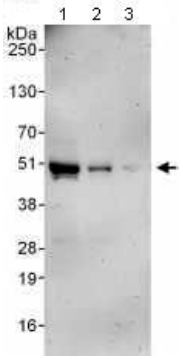
序列相似性 Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

结构域 The Ig-like C2-type 1 domain probably mediates homodimerization and interaction with JAML. The PDZ-binding motif mediates interaction with MPDZ and BAIAP1.

翻译后修饰 N-glycosylated.
Palmitoylated on Cys-259 and/or Cys-260; required for proper localization to the plasma membrane.

细胞定位 Secreted and Cell membrane. Cell junction > tight junction. Cell junction > adherens junction. Basolateral cell membrane. In epithelial cells localizes to the apical junction complex composed of tight and adherens junctions. In airway epithelial cells localized to basolateral membrane but not to apical surface.

图片



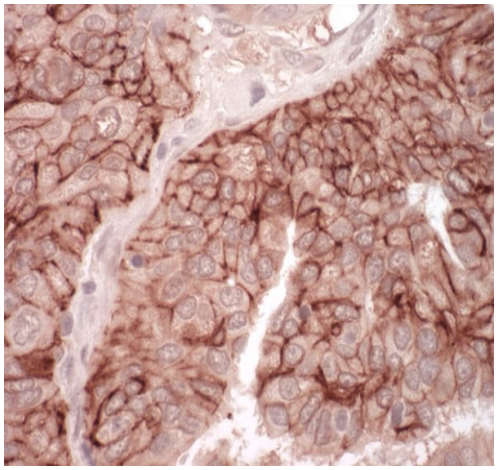
Western blot - Anti-Coxsackie Adenovirus Receptor/hCAR antibody (ab100811)

All lanes : Anti-Coxsackie Adenovirus Receptor/hCAR antibody (ab100811) at 0.1 µg/ml

Lane 1 : HeLa Whole Cell Lysate at 50 µg
Lane 2 : HeLa Whole Cell Lysate at 15 µg
Lane 3 : HeLa Whole Cell Lysate at 5 µg

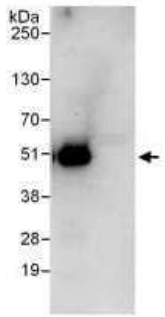
Predicted band size: 40 kDa

Exposure time: 3 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Coxsackie Adenovirus Receptor/hCAR antibody (ab100811)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian carcinoma tissue labelling Coxsackie Adenovirus Receptor/hCAR with ab100811 at 1/1000 (1µg/ml). Detection: Peroxidase Substrate.



Immunoprecipitation - Anti-Coxsackie Adenovirus Receptor/hCAR antibody (ab100811)

ab100811 at 0.4 µg/ml staining Coxsackie Adenovirus Receptor/hCAR in HeLa cell lysate immunoprecipitated using ab100811 at 3 µg/mg lysate (1 mg/IP; 20% of IP loaded/lane). Exposure time: 30 seconds

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