abcam

Product datasheet

Anti-Coxsackie Adenovirus Receptor/hCAR antibody [EPR23305-44] ab272711

リコンビナント RabMAb

1 References 画像数 6

製品の概要

製品名	Anti-Coxsackie Adenovirus Receptor/hCAR antibody [EPR23305-44]
製品の詳細	Rabbit monoclonal [EPR23305-44] to Coxsackie Adenovirus Receptor/hCAR
由来種	Rabbit
アプリケーション	**適用あり:** Flow Cyt, WB, IP, ICC/IF **適用なし:** IHC-P
種交差性	**交差種:** Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: LoVo, HepG2, HaCaT, BxPC-3, Human brain and Human liver, Human heart lysates. ICC/IF: HepG2 cells. Flow Cyt: HepG2 cells. IP: HepG2 cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EPR23305-44
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab272711の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

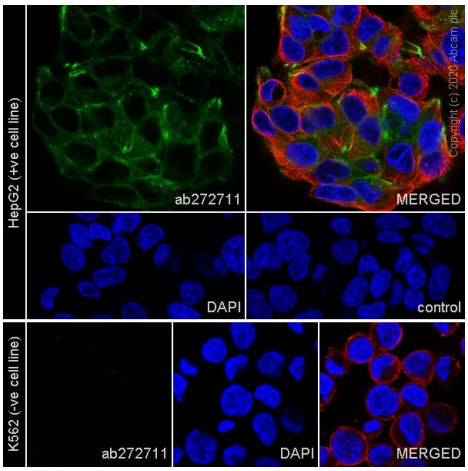
アプリケーション	Abreviews	特記事項
Flow Cyt		1/500.
WB		1/1000. Predicted molecular weight: 40 kDa.
IP		1/30.
ICC/IF		1/50.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能	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.
組織特異性	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.
配列類似性	Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
ドメイン	The Ig-like C2-type 1 domain probably mediates homodimerization and interaction with JAML. The PDZ-binding motif mediates interaction with MPDZ and BAIAP1.
翻訳後修飾	N-glycosylated. Palmitoylated on Cys-259 and/or Cys-260; required for proper localization to the plasma membrane.
細胞内局在	Secreted and Cell membrane. Cell junction > tight junction. Cell junction > adherens junction. Basolateral cell membrane. In epithelial cells localizes to the apical junction complex composced of tight and adherens junctions. In airway epithelial cells localized to basolateral membrane but not to apical surface.

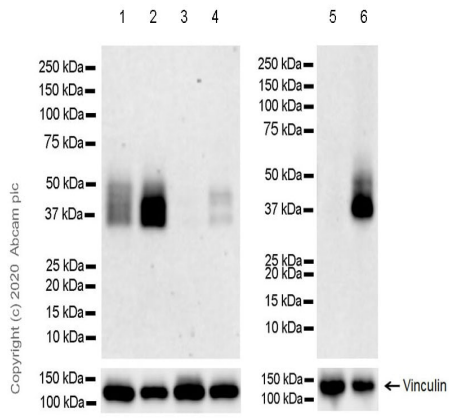
画像



Immunocytochemistry/ Immunofluorescence - Anti-Coxsackie Adenovirus Receptor/hCAR antibody [EPR23305-44] (ab272711)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HepG2 cells labelling Coxsackie Adenovirus Receptor/hCAR with ab272711 at 1/50 dilution, followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 2 ug/ml dilution (Green). Confocal image showing membranous and cytoplasmic staining in HepG2 cell line.
Negative control: K562 (PMID: 30450519) **ab195887** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 488) was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.



Western blot - Anti-Coxsackie Adenovirus Receptor/hCAR antibody [EPR23305-44] (ab272711)

All lanes : Anti-Coxsackie Adenovirus Receptor/hCAR antibody [EPR23305-44] (ab272711) at 1/1000 dilution

Lane 1 : LoVo (human colorectal adenocarcinoma epithelial cell) whole cell lysate
Lane 2 : HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysate
Lane 3 : PC-3 (human prostate adenocarcinoma epithelial cell) whole cell lysate
Lane 4 : HaCaT (human skin keratinocyte) whole cell lysate
Lane 5 : K-562 (human chronic myelogenous leukemia lymphoblast) whole cell lysate
Lane 6 : BxPC-3 (human pancreas adenocarcinoma epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/100000 dilution

Predicted band size: 40 kDa
Observed band size: 35-50 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST

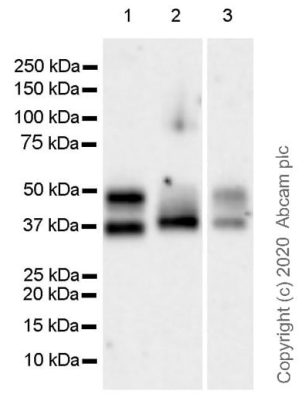
The expression profile observed is consistent with what has been

described in the literature, differently mobilized bands of coxsackie adenovirus receptor are attributed to different levels of glycosylation and the presence of isoforms. (PMID: 28074864, 11734628)

Negative control: PC-3 (PMID: 28074864) and K-562 (PMID: 30450519).

This blot was developed using a higher sensitivity ECL substrate.

Exposure time: 3 minutes



Western blot - Anti-Coxsackie Adenovirus Receptor/hCAR antibody [EPR23305-44] (ab272711)

All lanes : Anti-Coxsackie Adenovirus Receptor/hCAR antibody [EPR23305-44] (ab272711) at 1/1000 dilution

Lane 1 : Human brain tissue lysate
Lane 2 : Human liver tissue lysate
Lane 3 : Human heart tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : VeriBlot for IP secondary antibody(HRP)(**ab131366**) at 1/1000 dilution

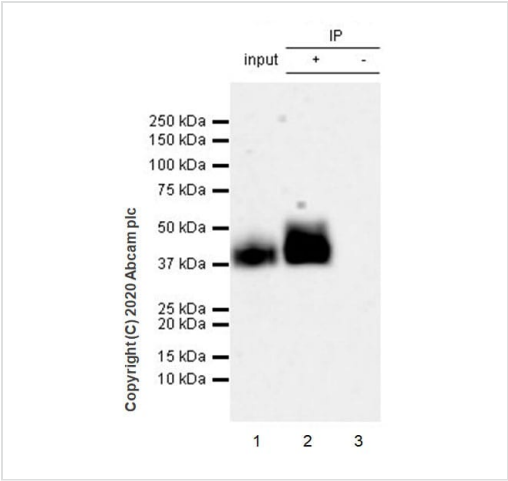
Predicted band size: 40 kDa
Observed band size: 35,45 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST

The expression profile observed is consistent with what has been described in the literature (PMID: 28074864, 11734628)

This blot was developed using a higher sensitivity ECL substrate.

Exposure time: 125 seconds



Immunoprecipitation - Anti-Coxsackie Adenovirus Receptor/hCAR antibody [EPR23305-44] (ab272711)

Coxsackie Adenovirus Receptor/hCAR was immunoprecipitated from 0.35 mg HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysate with ab272711 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab272711 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

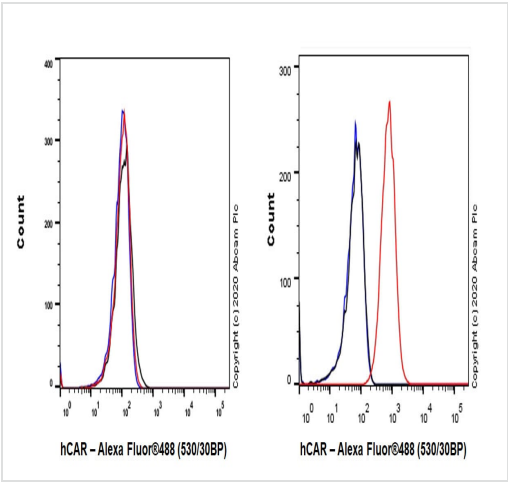
Lane 1: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysate 10 ug

Lane 2: ab272711 IP in HepG2 whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab272711 in HepG2 whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

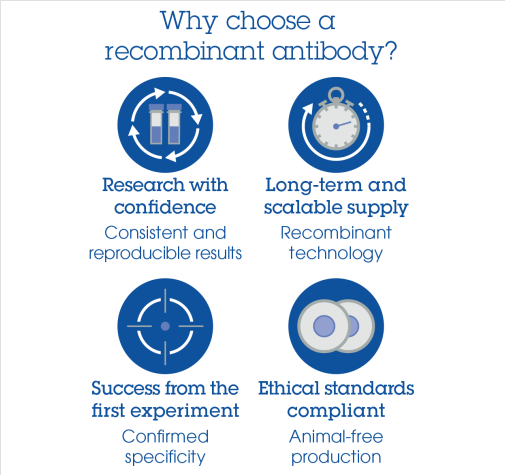
Exposure time: 102 seconds



Flow Cytometry - Anti-Coxsackie Adenovirus Receptor/hCAR antibody [EPR23305-44] (ab272711)

Flow cytometric analysis of K-562 (Human chronic myelogenous leukemia lymphoblast, Left) / HepG2 (Human hepatocellular carcinoma epithelial cell, Right) cells labelling Coxsackie Adenovirus Receptor/hCAR with ab272711 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.

Negative control: K-562 (PMID: 30450519)Gated on viable cells.



Anti-Coxsackie Adenovirus Receptor/hCAR antibody [EPR23305-44] (ab272711)

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