**Product datasheet**

**Anti-Coxsackie Adenovirus Receptor/hCAR antibody ab100811**

**Overview**

**Product name**  
Anti-Coxsackie Adenovirus Receptor/hCAR antibody

**Description**  
Rabbit polyclonal to Coxsackie Adenovirus Receptor/hCAR

**Host species**  
Rabbit

**Tested applications**  
Suitable for: WB, IP, IHC-P

**Species reactivity**  
Reacts with: Human  
**Predicted to work with:** Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Platypus

**Immunogen**  
Synthetic peptide corresponding to Human Coxsackie Adenovirus Receptor/hCAR aa 335-365.  
Database link: NP_001329.1

**Positive control**  
HeLa whole cell lysate (ab150035)

**General notes**  
This product was previously labelled as Coxsackie Adenovirus Receptor

**Properties**

**Form**  
Liquid

**Storage instructions**  
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer**  
Preservative: 0.09% Sodium azide  
Constituent: Tris citrate/phosphate

**Purity**  
Immunogen affinity purified

**Clonality**  
Polyclonal

**Isotype**  
IgG

**Applications**

Our [Abpromise guarantee](#) covers the use of ab100811 in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
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<th>Application</th>
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<tr>
<td>IP</td>
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<td>Use at 2-5 µg/mg of lysate.</td>
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**Function**
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.

**Tissue specificity**
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.

**Sequence similarities**
Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

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

**Post-translational modifications**
N-glycosylated. Palmitoylated on Cys-259 and/or Cys-260; required for proper localization to the plasma membrane.

**Cellular localization**
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) analysis of human ovarian carcinoma tissue labelling Cox sackie 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 Cox sackie 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

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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