

Product datasheet

Anti-Coxsackie Adenovirus Receptor/hCAR antibody ab180761

[1 References](#) [1 Image](#)

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
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Cow, Orangutan
Immunogen	Recombinant fragment corresponding to Human Coxsackie Adenovirus Receptor/hCAR aa 20-237 (extracellular). Sequence: LSITPEEMIE KAKGETAYLP CKFTLSPEDQ GPLDIEWLIS PADNQKVDQV IILYSGDKIY DDYYPDLKGR VHFTSNDLKS GDASINVTNL QLSDIGTYQC KVKKAPGVAN KKIHLVVLVK PSGARC YVDG SEEIGSDFKI KCEPKEGSLP LQYEWQKLS D SQKMPTSWLA EMTSSVISVK NASSEYSGTY SCTVRNRVGS DQCLLRNLNVV PPSNKAG

Database link: [P78310](#)

[Run BLAST with](#)

[Run BLAST with](#)

General notes

This product was previously labelled as Coxsackie Adenovirus Receptor

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab180761** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

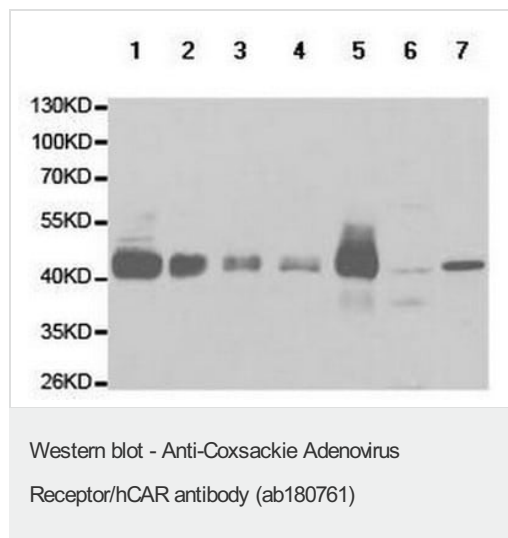
Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 40 kDa.

Target

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	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.

Images



All lanes : Anti-Coxsackie Adenovirus Receptor/hCAR antibody (ab180761) at 1/500 dilution

- Lane 1 :** HeLa cell line lysate
- Lane 2 :** OVCAR3 cell line lysate
- Lane 3 :** SW480 cell line lysate
- Lane 4 :** HepG2 cell line lysate
- Lane 5 :** PC3 cell line lysate
- Lane 6 :** Mouse liver tissue lysate
- Lane 7 :** Mouse heart tissue lysate

Predicted band size: 40 kDa

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

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