Datasheet for ABIN3029697

anti-Coxsackie Adenovirus Receptor antibody (C-Term)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	Coxsackie Adenovirus Receptor (CXADR)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Coxsackie Adenovirus Receptor antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human Coxsackie Adenovirus Receptor (YSKTQYNQVPSEDFER) was used as the immunogen for this CAR antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Coxsackie Adenovirus Receptor (CXADR)
Alternative Name:	CAR Coxsackie Adenovirus Receptor (CXADR Products)
Background:	Coxsackie virus and adenovirus receptor is a protein that in humans is encoded by the CXADR gene, also known as CAR, CVB3-binding protein, and Coxsackievirus B-adenovirus receptor. The

Target Details

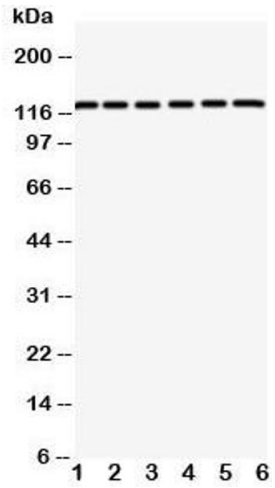
	cDNA encodes a predicted 365-amino acid polypeptide that contains a single transmembrane domain and is a member of the immunoglobulin superfamily. By Northern blot analysis, the highest expression of 1.4-kb and 6-kb transcripts are in pancreas, brain, heart, small intestine, testis, and prostate, lower expression in liver and lung, and no expression in kidney, placenta, peripheral blood leukocytes, thymus, and spleen. In comparison, mouse CAR showed highest expression in liver, and lower levels in kidney, heart, lung, and brain. The protein encoded by this gene is a type I membrane receptor for group B coxsackie viruses and subgroup C adenoviruses. Pseudogenes of this gene are found on chromosomes 15, 18, and 21. CAR is strongly expressed in the developing central nervous system. It functions as a homophilic and also as a heterophilic cell adhesion molecule through its interactions with extracellular matrix glycoproteins , such as: fibronectin, agrin, laminin-1 and tenascin-R.
UniProt:	P78310
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	The stated application concentrations are suggested starting amounts. Titration of the CAR antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL
Restrictions:	For Research Use only

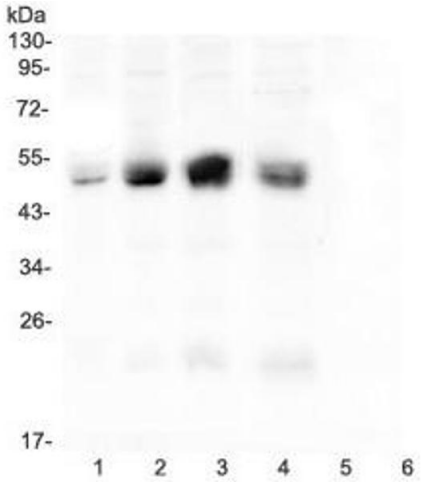
Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the CAR antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



Western Blotting

Image 1. Western blot testing of CAR antibody and rat samples 1: pancreas; 2: brain; 3: heart; and human samples 4: HeLa; 5: 293T; 6: COLO320 cell lysate. Predicted size: 41~46KD, observed size: ~120KD



Western Blotting

Image 2. Western blot testing of CAR antibody and rat samples 1: pancreas

