

Product name:	CAR Rabbit Polyclonal Antibody
Cat number:	ABN07916
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human CXADR. AA range:1-50
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight:	40kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

The protein encoded by this gene is a type I membrane receptor for group B coxsackieviruses and subgroup C adenoviruses. Several transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene are found on chromosomes 15, 18, and 21. [provided by RefSeq, May 2011],domain:The Ig-like C2-type 1 domain probably mediates homodimerization and interaction with JAML.,domain:The PDZ-binding motif mediates interaction with MPDZ and BAIAP1.,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.,PTM:N-glycosylated.,PTM:Palmitoylated on Cys-259 and/or Cys-260; required for proper localization to the plasma membrane.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location: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.,subunit:Monomer. Probably homodimer formed by 2 molecules on adjacent cells. Interacts with LNX, MPDZ, BAIAP1, DLG4, PRKCABP, TJP1 and CTNNB1. Secreted isoform 3, isoform 4 and isoform 5 can interact with the extracellular domain of the receptor. Interacts with adenovirus subgroup A, C, D, E and F fiber proteins as well as coxsackievirus B1, B2, B3, B4, B5 and B6 capsid proteins and acts as a receptor for these viruses.,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 while 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.,