

产品名称: CAR Rabbit Polyclonal Antibody
产品货号: APRab07916



产品概述 (Summary)

产品名称 (Production Name)	CAR Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CXADR
别名 (Alternative Names)	CXADR; CAR; Coxsackievirus and adenovirus receptor; CAR; hCAR; CVB3-binding protein; Coxsackievirus B-adenovirus receptor; HCVADR
基因 ID (Gene ID)	1525.0
蛋白 ID (SwissProt ID)	P78310.The antiserum was produced against synthesized peptide derived from human CXADR. AA range:1-50

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	40kDa

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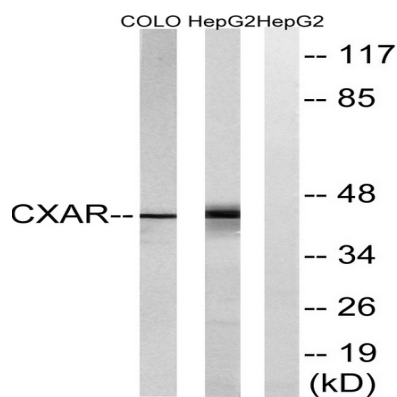
研究背景 (Background)

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.,

研究领域 (Research Area)

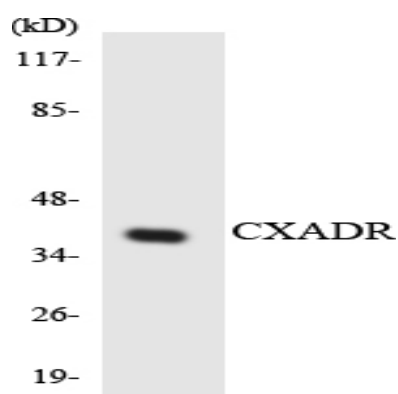
Viral myocarditis;

图片 (Image Data)

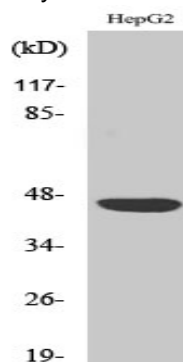


Western blot analysis of lysates from HepG2 and COLO cells, using CXADR Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from HeLa cells using CXADR antibody.



Western Blot analysis of various cells using CAR Polyclonal Antibody

注意事项 (Note)

For research use only .