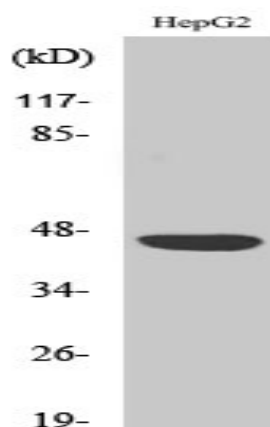


## CAR Polyclonal Antibody

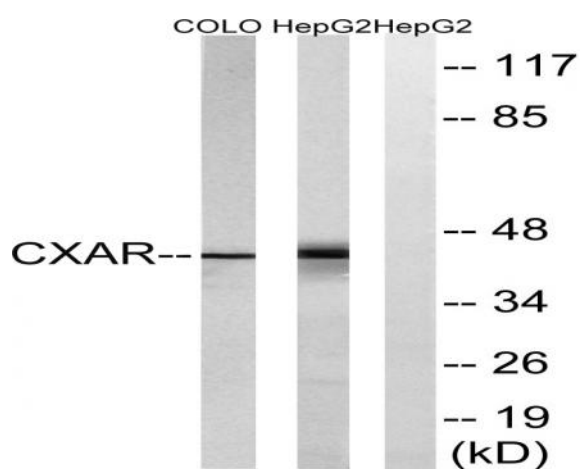
<b>Catalog No :</b>	YT0631
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	CAR
<b>Fields :</b>	>>Viral myocarditis
<b>Gene Name :</b>	CXADR
<b>Protein Name :</b>	Coxsackievirus and adenovirus receptor
<b>Human Gene Id :</b>	1525
<b>Human Swiss Prot No :</b>	P78310
<b>Mouse Gene Id :</b>	13052
<b>Mouse Swiss Prot No :</b>	P97792
<b>Rat Gene Id :</b>	89843
<b>Rat Swiss Prot No :</b>	Q9R066
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human CXADR. AA range:1-50
<b>Specificity :</b>	CAR Polyclonal Antibody detects endogenous levels of CAR protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	40kD
<b>Cell Pathway :</b>	Viral myocarditis;
<b>Background :</b>	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],
<b>Function :</b>	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 ce
<b>Subcellular Location :</b>	[Isoform 1]: Cell membrane ; Single-pass type I membrane protein . Basolateral cell membrane ; Single-pass type I membrane protein . Cell junction, tight junction . Cell junction, adherens junction . In epithelial cells localizes to the apical junction complex composed of tight and adherens junctions (PubMed:12297051). In airway epithelial cells localized to basolateral membrane but not to apical surface (PubMed:11316797). .; [Isoform 3]: Secreted .; [Isoform 4]: Secreted .; [Isoform 5]: Secreted .
<b>Expression :</b>	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.

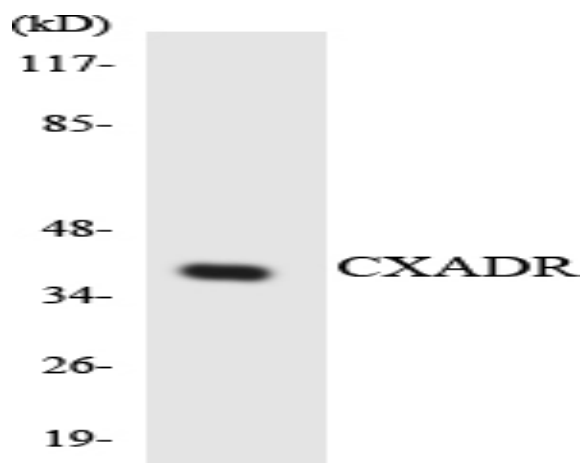
## Products Images



Western Blot analysis of various cells using CAR Polyclonal Antibody



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



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