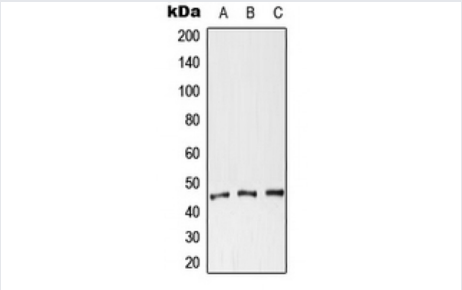
CXADR Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CXADR, Polyclonal Antibody
Full Product Name	CXADR Antibody
Product Gene Name	anti-CXADR antibody
Product Synonym Names	Purified Polyclonal CXADR Antibody; Polyclonal CXADR antibody; Anti-CXADR antibody; CAR antibody; Coxsackievirus and adenovirus receptor antibody; CAR antibody; hCAR antibody; CVB3-binding protein antibody; Coxsackievirus B-adenovirus receptor antibody; HCVADR antibody
Clonality	Polyclonal
Host	Rabbit
Form/Format	Supplied in liquid form in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3 with 30% Glycerol and 0.01% Sodium Azide
Purity/Purification	Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of CXADR protein
Preparation and Storage	Store at 4 degree C for short term storage. For long term, aliquot and store at -20 degree C. Avoid repeat freeze/thaw cycles.
OMIM	602621
3D Structure	ModBase 3D Structure for P78310
Immunogen	CXADR antibody was raised in Rabbit using a KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CXADR as the immunogen
Cross-Reactivity	Mouse, Rat
Product Categories/Family for anti-CXADR antibody	Cell Biology
Applications Tested/Suitable for anti-CXADR antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)
Application Notes for anti-CXADR antibody	WB: 1:500-1:1000 IF: 1:100-1:500 ICC: 1:100-1:500
Related Product Information for anti-CXADR antibody	CXADR is a component of the epithelial apical junction complex that may function as an homophilic cell adhesion molecule and is essential for tight junction integrity. Also involved in transepithelial migration of leukocytes through adhesive interactions with AMICA1/JAML a transmembrane protein of the plasma membrane of leukocytes.
Other Notes	Small volumes of anti-CXADR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CXADR purchase	MBS5314243 is an antibody targeting CXADR. Also known as CXADR Antibody. Host: Rabbit.



Western Blot (WB) of anti-CXADR antibody
Western blot analysis of CXADR expression in HeLa (A); NIH3T3 (B); H9C2 (C) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CXADR. It may not necessarily be applicable to this product.

NCBI GI #	333470707
NCBI GeneID	1525
UniProt Primary Accession #	P78310
UniProt Related Accession #	P78310
GenBank Nucleotide #	NP_001193993.1
NCBI Official Full Name	coxsackievirus and adenovirus receptor isoform 3
NCBI Official Synonym Full Names	CXADR Ig-like cell adhesion molecule
NCBI Official Symbol	CXADR
NCBI Official Synonym Symbols	CAR; HCAR; CAR4/6
UniProt Protein Name	Coxsackievirus and adenovirus receptor
UniProt Synonym Protein Names	CVB3-binding protein; Coxsackievirus B-adenovirus receptor; HCVADR
Protein Family	Coxsackievirus and adenovirus receptor
UniProt Gene Name	CXADR
UniProt Synonym Gene Names	CAR; CAR; hCAR
UniProt Entry Name	CXAR_HUMAN
NCBI Protein Information	coxsackievirus and adenovirus receptor
NCBI Summary for CXADR	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]

UniProt Comments for CXADR	CXADR: a 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 located in the plasma membrane of PMN. Protein type: Membrane protein, integral; Receptor, misc.; Cell adhesion Chromosomal Location of Human Ortholog: 21q21.1 Cellular Component: extracellular space; neuron projection; protein complex; tight junction; integral to plasma membrane; basolateral plasma membrane; apicolateral plasma membrane; acrosome; extracellular region; intercellular junction; lipid raft; nucleoplasm; adherens junction; growth cone; plasma membrane; neuromuscular junction; cell junction; filopodium Molecular Function: viral receptor activity; integrin binding; identical protein binding; protein binding; beta-catenin binding; cell adhesion molecule binding; PDZ domain binding; receptor binding Biological Process: mitochondrion organization and biogenesis; neutrophil chemotaxis; intercellular junction assembly and maintenance; entry of virus into host cell; regulation of immune response; heart development; gamma-delta T cell activation; heterophilic cell adhesion; cardiac muscle fiber development; actin cytoskeleton reorganization; germ cell migration; homotypic cell-cell adhesion; blood coagulation; defense response to virus; leukocyte migration
Research Articles on CXADR	**1.** EGF suppresses specifically CAR signaling mainly through transcriptional regulation and drives the xenobiotic response toward a pregnane X receptor (PXR)-mediated mechanism.
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