

Rabbit anti-Human CAR/CXADR Polyclonal Antibody | anti-CXADR antibody

Anti-CAR/CXADR Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255168	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, ELISA

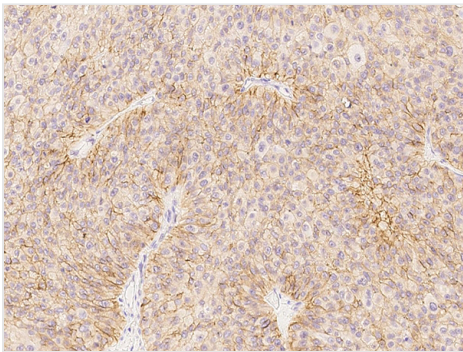
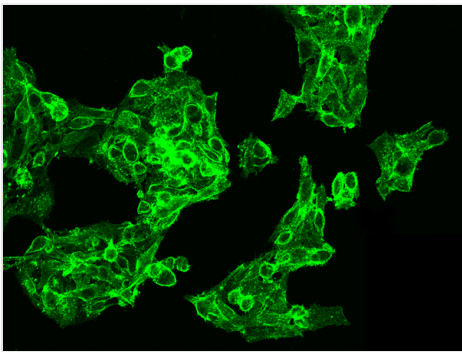
PRODUCT SYNONYMS

CAR/CXADR; Polyclonal Antibody; Anti-CAR/CXADR Antibody; Rabbit Polyclonal; CXADR/CAR Antibody; Rabbit PAb; Antigen Affinity Purified; coxsackie virus and adenovirus receptor; Anti-CAR Antibody; Anti-CAR4/6 Antibody; Anti-CXADR Antibody; Anti-HCAR Antibody; anti-CXADR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CXADR/CAR
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CXADR antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human CXADR/CAR Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human CXADR/CAR (rh CXADR/CAR). CXADR/CAR specific IgG was purified by Human CXADR/CAR affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of CXADR in HepG2 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-Human CXADR polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to cell membrane.

IHC (Immunohistochemistry)
Immunochemical staining of human CXADR in human bladder carcinoma with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CXADR antibody	CXADR (coxsackie virus and adenovirus receptor), also known as CAR, is a type I transmembrane glycoprotein belonging to the CTX family of the Ig superfamily, and is essential for normal cardiac development in the mouse. Proposed as a homophilic cell adhesion molecule, CXADR is a component of the epithelial apical junction complex that is essential for the tight junction integrity, and probably involved in transepithelial migration of polymorphonuclear leukocytes (PMN). Mature mouse CXADR structurally comprises a 218 aa extracellular domain (ECD) with a V-type (D1) and a C2-type (D2) Ig-like domain, a 21 aa transmembrane segment and a 17 aa intracellular domain, among which, D1 is thought to be responsible for homodimer formation in trans within tight junctions. The ECD of mouse CXADR shares 97%, 9% sequence identity with the corresponding regions of rat, human CXADR.
References	Tomko, R.P. et al., 1997, Proc. Natl. Acad. Sci. U.S.A. 94 (7): 3352-3356. van Raaij, M.J. et al., 2001, Structure. 8 (11): 1147-1155. Cohen, C.J. et al., 2001, J. Biol. Chem. 276 (27): 25392-25398. Carson, S.D. et al., 2002, Rev. Med. Virol. 11 (4): 219-226. Selinka, H.C. et al., 2004, Med. Microbiol. Immunol. 193 (2-3): 127-131. Philipson, L. et al., 2004, Curr. Top. Microbiol. Immunol. 273:87-111. Raschperger, E. et al., 2006, Exp. Cell Res. 312: 1566-1580.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503173
NCBI GeneID	1525
NCBI Accession #	NP_001329.1
NCBI GenBank Nucleotide #	NM_001338.4
UniProt Accession #	P78310; O00694; Q8WWT6; Q8WWT7; Q8WWT8; Q9UKV4; B2R8V8; B7WPI3; D3YHP0
Molecular Weight	35,570 Da
NCBI Official Full Name	coxsackievirus and adenovirus receptor isoform 1
NCBI Official Synonym Full Names	coxsackie virus and adenovirus receptor
NCBI Official Symbol	CXADR
NCBI Official Synonym Symbols	CAR; HCAR; CAR4/6
NCBI Protein Information	coxsackievirus and adenovirus receptor; HCVADR; CVB3-binding protein; coxsackievirus B-adenovirus receptor; 46 kD coxsackievirus and adenovirus receptor (CAR) protein
UniProt Protein Name	Coxsackievirus and adenovirus receptor
UniProt Gene Name	CXADR

UniProt Synonym Gene Names	CAR; CAR; hCAR
UniProt Entry Name	CXAR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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