

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

Anti-CAR/CXADR Antibody, Rabbit Polyclonal

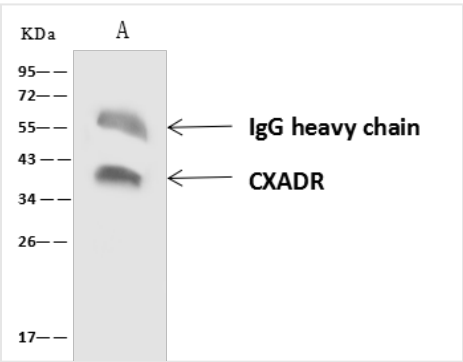
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256106	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

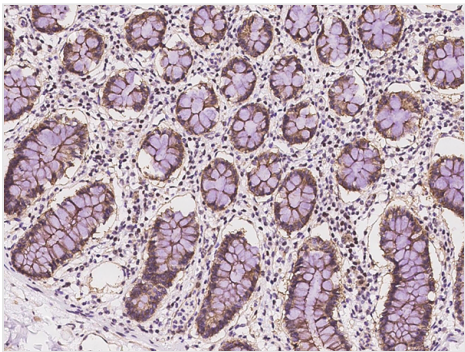
CAR/CXADR; Polyclonal Antibody; Anti-CAR/CXADR Antibody; Rabbit Polyclonal; CAR/CXADR Antibody; Rabbit PAb; Antigen Affinity Purified; coxsackie virus and adenovirus receptor; Anti-CAR Antibody; Anti-CAR4/6 Antibody; Anti-CXADR Antibody; Anti-HCAR Antibody; anti-CXADR antibody

PRODUCT SPECIFICATIONS

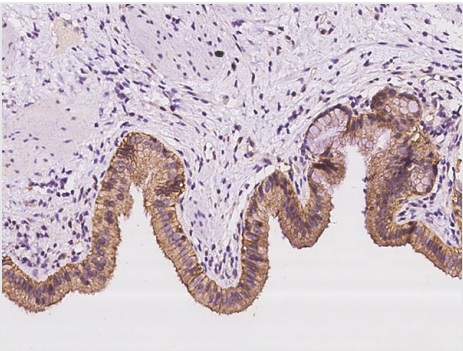
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CAR/CXADR
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-CXADR antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human CAR/CXADR fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human CAR/CXADR fragment, and purified by antigen 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. Avoid repeated freeze-thaw cycles.



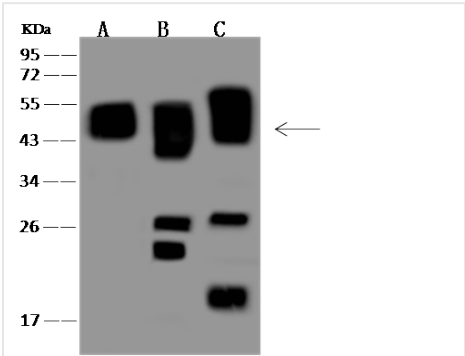
IP (Immunoprecipitation)
CXADR was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate 4 uL anti-CXADR rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-CXADR rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 40 kDa. Observed band size: 40 kDa.



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



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



WB (Western Blot)
Anti-CXADR rabbit polyclonal antibody at 1:500 dilution. Lane A: A431 Whole Cell Lysate. Lane B: HeLa Whole Cell Lysate. Lane C: HepG2 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 40 kDa. Observed band size: 45 kDa. (We are unsure as to the identity of these extra bands.)

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.

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.