

Rabbit CXADR Polyclonal Antibody | anti-CXADR antibody

Anti-CXADR Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127139	Rabbit	Human, Monkey, Mouse, Rat	Western Blot, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA

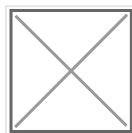
PRODUCT SYNONYMS

CXADR; Polyclonal Antibody; Anti-CXADR Antibody Picoband; anti-CXADR antibody

PRODUCT SPECIFICATIONS

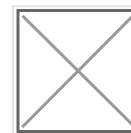
Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-CXADR antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human CXADR recombinant protein (Position: E35-V365). Human CXADR shares 91.2% and 91.5% amino acid (aa) sequence identity with mouse and rat CXADR, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HepG2 cells using anti-CXADR antibody (AAA127139).Overlay histogram showing HepG2 cells stained with AAA127139 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-CXADR Antibody (AAA127139, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of CXADR using anti-CXADR antibody (AAA127139).CXADR was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-CXADR Antibody (AAA127139) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of CXADR using anti-CXADR antibody (AAA127139). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human A431 whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: monkey COS-7 whole cell lysates, Lane 5: rat heart tissue lysates, Lane 6: mouse heart tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CXADR antigen affinity purified polyclonal antibody (#AAA127139) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CXADR at approximately 45 kDa. The expected band size for CXADR is at 40 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CXADR antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-CXADR antibody	Primary Antibodies
References	1. Tomko, R. P., Xu, R., Philipson, L. HCAR and MCAR: the human and mouse receptors for subgroup C adenoviruses and group B coxsackieviruses. Proc. Nat. Acad. Sci. 94: 3352-3356, 1997. 2. Witherden, D. A., Verdino, P., Rieder, S. E., Garijo, O., Mills, R. E., Teyton, L., Fischer, W. H., Wilson, I. A., Havran, W. L. The junctional adhesion molecule JAML is a costimulatory receptor for epithelial gamma-delta T cell activation. Science 329: 1205-1210, 2010.

NCBI AND UNIPROT INFORMATION

NCBI GI #	333470703
NCBI GeneID	1525
NCBI Accession #	NP_001193992.1
NCBI GenBank Nucleotide #	NM_001207063.1
UniProt Accession #	P78310; O00694; Q8WWT6; Q8WWT7; Q8WWT8; Q9UKV4; B2R8V8
Molecular Weight	40,030 Da
NCBI Official Full Name	coxsackievirus and adenovirus receptor isoform 2
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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cxadr-antibody-western-blot-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/127139>