

ARG45492 anti-CXADR / CAR antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CXADR / CAR
Tested Reactivity	Hu, Ms, Rat, Mk
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CXADR / CAR
Species	Human
Immunogen	Recombinant protein containing to human CXADR / CAR.
Conjugation	Un-conjugated
Alternate Names	Coxsackievirus B-adenovirus receptor; CAR4/6; HCAR; hCAR; CAR; Coxsackievirus and adenovirus receptor; CVB3-binding protein; HCVADR

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	45 kDa	

Properties

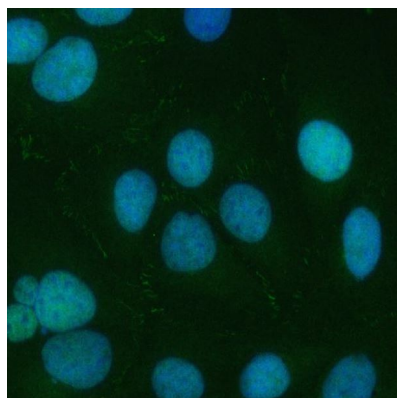
Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

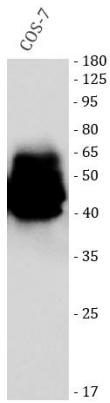
Gene Symbol	CXADR
Gene Full Name	coxsackie virus and adenovirus receptor
Background	The protein encoded by this gene is a type I membrane receptor for group B coxsackieviruses and subgroup C adenoviruses. Several transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene are found on chromosomes 15, 18, and 21. [provided by RefSeq, May 2011]
Function	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. The interaction between both receptors also mediates the activation of gamma-delta T-cells, a subpopulation of T-cells residing in epithelia and involved in tissue homeostasis and repair. Upon epithelial CXADR-binding, AMICA1 induces downstream cell signaling events in gamma-delta T-cells through PI3-kinase and MAP kinases. It results in proliferation and production of cytokines and growth factors by T-cells that in turn stimulate epithelial tissues repair. [UniProt]
Calculated Mw	40 kDa
PTM	N-glycosylated. Palmitoylated on Cys-259 and/or Cys-260; required for proper localization to the plasma membrane. [UniProt]. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein; Cell junction; tight junction; adherens junction; Basolateral cell membrane; Single-pass type I membrane protein; Cell membrane; Single-pass membrane protein; Secreted. [UniProt]. [UniProt]

Images



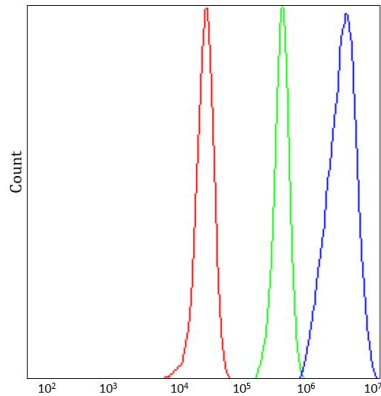
ARG45492 anti-CXADR / CAR antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45492 anti-CXADR / CAR antibody at 5 µg/ml dilution.



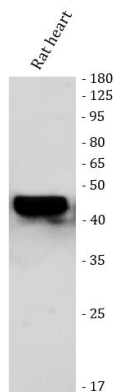
ARG45492 anti-CXADR / CAR antibody WB image

Western blot: COS-7 stained with ARG45492 anti-CXADR / CAR antibody at 0.5 µg/ml dilution.



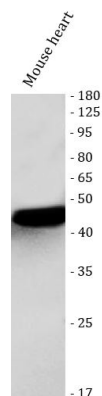
ARG45492 anti-CXADR / CAR antibody FACS image

Flow Cytometry: HepG2 stained with ARG45492 anti-CXADR / CAR antibody at 1 µg/10⁶ cells dilution.



ARG45492 anti-CXADR / CAR antibody WB image

Western blot: Rat heart stained with ARG45492 anti-CXADR / CAR antibody at 0.5 µg/ml dilution.



ARG45492 anti-CXADR / CAR antibody WB image

Western blot: Mouse heart stained with ARG45492 anti-CXADR / CAR antibody at 0.5 µg/ml dilution.