

Product datasheet

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ARG58453 anti-CXADR / CAR antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes CXADR / CAR

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name CXADR / CAR

Species Human

Immunogen Recombinant fusion protein corresponding to aa. 20-237 of Human CXADR / CAR (NP_001329.1).

Conjugation Un-conjugated

Alternate Names Coxsackievirus B-adenovirus receptor; CAR4/6; HCAR; CAR; Coxsackievirus and adenovirus

receptor; CVB3-binding protein; HCVADR

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	OVCAR3	
Observed Size	44 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

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. 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.

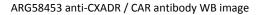
[UniProt]

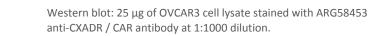
Cellular Localization Cell membrane, Single-pass type I membrane protein, Cell junction, tight junction, adherens junction,

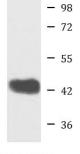
Basolateral cell membrane, Single-pass type I membrane protein, Cell membrane, Single-pass

membrane protein, Secreted. [UniProt]

Images







OVCAR3