

CXADR Antibody

Catalog No: #34624

Package Size: #34624-1 50ul #34624-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

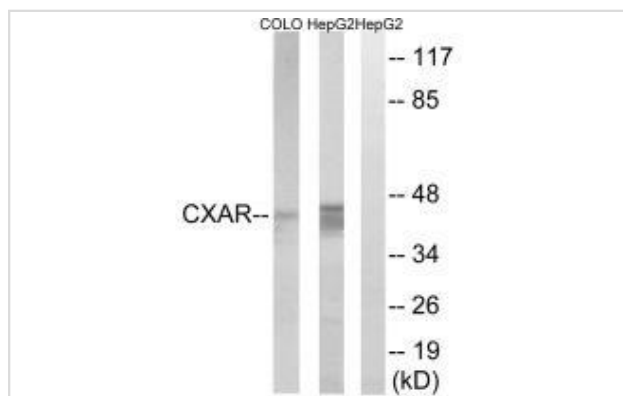
Description

Product Name	CXADR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CXADR protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human CXADR.
Target Name	CXADR
Other Names	CAR; Coxsackievirus and adenovirus receptor precursor; Coxsackievirus B- adenovirus receptor; CVB3 binding protein; CXAR
Accession No.	Swiss-Prot: P78310NCBI Gene ID: 1525
Uniprot	P78310
GeneID	1525;
SDS-PAGE MW	40kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from COLO cells and HepG2 cells, using CXADR antibody #34624.

Background

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.

Tomko R.P., Proc. Natl. Acad. Sci. U.S.A. 94:3352-3356(1997).

Bergelson J.M., Science 275:1320-1323(1997).

Bowles K.R., Hum. Genet. 105:354-359(1999).

Note: This product is for in vitro research use only