

CHEMR23 / CMKLR1 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10119**Specification****CHEMR23 / CMKLR1 Antibody (C-Terminus) - Product Information**

Application	IHC-P
Primary Accession	Q99788
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42kDa KDa
Dilution	IHC-P~~N/A

CHEMR23 / CMKLR1 Antibody (C-Terminus) - Additional Information**Gene ID** 1240**Other Names**

Chemokine-like receptor 1, G-protein coupled receptor ChemR23, G-protein coupled receptor DEZ, CMKLR1, CHEMR23, DEZ

Target/Specificity

Human CMKLR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

CHEMR23 / CMKLR1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

CHEMR23 / CMKLR1 Antibody (C-Terminus) - Protein Information**Name** CMKLR1 ([HGNC:2121](#))**Synonyms** CHEMR23, DEZ**Function**

Receptor for the chemoattractant adipokine chemerin/RARRES2 and for the omega-3 fatty acid derived molecule resolvin E1. Interaction with RARRES2 initiates activation of G proteins G(i)/G(o) and beta-arrestin pathways inducing cellular responses via second messenger pathways such as intracellular calcium mobilization, phosphorylation of MAP kinases MAPK1/MAPK3 (ERK1/2), TYRO3, MAPK14/P38MAPK and PI3K leading to multifunctional effects, like reduction of immune responses, enhancing of adipogenesis and angiogenesis (PubMed:27716822). Resolvin E1 down-regulates cytokine production in macrophages by reducing the activation of MAPK1/3

(ERK1/2) and NF- kappa-B. Positively regulates adipogenesis and adipocyte metabolism.

Cellular Location

Cell membrane; Multi-pass membrane protein. Note=Internalizes efficiently in response to RARRES2.

Tissue Location

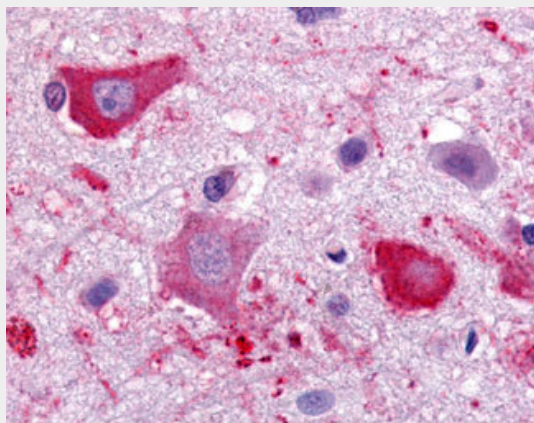
Prominently expressed in developing osseous and cartilaginous tissue. Also found in adult parathyroid glands. Expressed in cardiovascular system, brain, kidney, gastrointestinal tissues and myeloid tissues. Expressed in a broad array of tissues associated with hematopoietic and immune function including, spleen, thymus, appendix, lymph node, bone marrow and fetal liver. Among leukocyte populations abundant expression in monocyte-derived macrophage and immature dendritic cells (DCs). High expression in blood monocytes and low levels in polymorphonuclear cells and T-cells. Expressed on endothelial cells. Highly expressed in differentiating adipocytes

CHEMR23 / CMKLR1 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CHEMR23 / CMKLR1 Antibody (C-Terminus) - Images



Anti-CMKLR1 antibody ALS10119 IHC of human brain, cortex.

CHEMR23 / CMKLR1 Antibody (C-Terminus) - Background

Receptor for the chemoattractant adipokine chemerin/RARRES2 and for the omega-3 fatty acid derived molecule resolvin E1. Interaction with RARRES2 induces activation of intracellular signaling molecules, such as SKY, MAPK1/3 (ERK1/2), MAPK14/P38MAPK and PI3K leading to multifunctional effects, like, reduction of immune responses, enhancing of adipogenesis and angiogenesis. Resolvin E1 down-regulates cytokine production in macrophages by reducing the activation of MAPK1/3 (ERK1/2) and NF- kappa-B. Positively regulates adipogenesis and adipocyte metabolism. Acts as a coreceptor for several SIV strains (SIVMAC316, SIVMAC239, SIVMACL7E-FR and SIVSM62A), as well

as a primary HIV-1 strain (92UG024-2).

CHEMR23 / CMKLR1 Antibody (C-Terminus) - References

Methner A.,et al.Biochem. Biophys. Res. Commun. 233:336-342(1997).
Samson M.,et al.Eur. J. Immunol. 28:1689-1700(1998).
Suwa M.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
King M.M.,et al.Submitted (DEC-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).