

Anti-CHEMR23 / CMKLR1 Antibody (Internal)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18176**Specification**

Anti-CHEMR23 / CMKLR1 Antibody (Internal) - Product Information

Application	WB, IHC-P, IP
Primary Accession	Q99788
Predicted	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42322
Dilution	WB~~1:1000 IHC-P~~N/A IP~~N/A

Anti-CHEMR23 / CMKLR1 Antibody (Internal) - Additional Information**Gene ID** 1240**Alias Symbol** CMKLR1**Other Names**

CMKLR1, Chemokine receptor-like 1, DEZ, CHEMERINR, Resolvin E1 receptor, RVER1, Chemokine-like receptor 1, ChemR23, G-protein coupled receptor DEZ

Target/Specificity

Recognizes endogenous levels of CMKLR1 protein.

Reconstitution & Storage

Immunoaffinity purified

Precautions

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

Anti-CHEMR23 / CMKLR1 Antibody (Internal) - 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

Anti-CHEMR23 / CMKLR1 Antibody (Internal) - 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](#)

Anti-CHEMR23 / CMKLR1 Antibody (Internal) - Images