

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

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

Application	WB, IHC-P, IP
Primary Accession	<a href="#">Q99788</a>
Predicted	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42322

**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:<a href="http://www.uniprot.org/citations/27716822" target="\_blank">27716822</a>). 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**