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Anti-CHEMR23 / CMKLR1 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18176

Product Information

Application	WB, IHC-P, IP
Primary Accession	Q99788
Predicted	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42322
Concentration (mg/ml)	1 mg/ml

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.

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 angionesis (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