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CMKLR1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20213b

Specification

CMKLR1 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q99788
Other Accession	B1PHQ8, NP_004063.1
Reactivity	**Human**
Predicted	**Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**42322**
Antigen Region	**305-333**

CMKLR1 Antibody (C-term) - 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
This CMKLR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 305-333 amino acids from the C-terminal region of human CMKLR1.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CMKLR1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CMKLR1 Antibody (C-term) - 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.

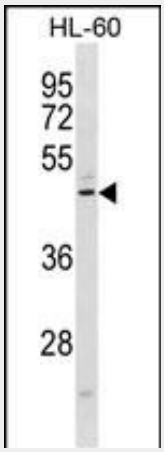
Tissue Location
Prominently expressed in developing osseous and cartilaginous tissue. Also found in adult parathyroid glands. Expressed in cardiovascular system, brain, kidney, gastrointestinal tissues and myeloid tissues. Expressed in a broad array of tissues associated with hematopoietic and immune 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

CMKLR1 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CMKLR1 Antibody (C-term) - Images



CMKLR1 Antibody (C-term) (Cat. #AP20213b) western blot analysis in HL-60 cell line lysates

(35ug/lane).This demonstrates the CMKLR1 antibody detected the CMKLR1 protein (arrow).

CMKLR1 Antibody (C-term) - Background

Orphan receptor. Could be a chemotactic peptide receptor. May have a function in bone 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).

CMKLR1 Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
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Ohira, T., et al. J. Biol. Chem. 285(5):3451-3461(2010)
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