

Rabbit anti-Human CMKLR1 Polyclonal Antibody | anti-CMKLR1 antibody

CMKLR1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323549	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

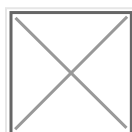
PRODUCT SYNONYMS

CMKLR1; Polyclonal Antibody; CMKLR1 Antibody; CHEMERINR; Chemokine like receptor 1; Chemokine-like receptor 1; CHEMR23; CML1_HUMAN; DEZ; G protein coupled receptor ChemR23; G protein coupled receptor DEZ; G-protein coupled receptor ChemR23; G-protein coupled receptor DEZ; Orphan G protein coupled receptor; Orphan G protein coupled receptor Dez; Resolvin E1 receptor; RVER1; anti-CMKLR1 antibody

PRODUCT SPECIFICATIONS

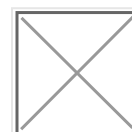
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CMKLR1 antibody detects endogenous levels of total CMKLR1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	373
Applicable Applications for anti-CMKLR1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	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.
Conjugation	Unconjugated

IMAGES



IHC (Immunohistochemisry)

AAA323549 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of CMKLR1 expression in HL60 cell lysate ;, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA323549 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CMKLR1 antibody	Description: 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). Function: 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 angionesis. 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). Similarity: Belongs to the G-protein coupled receptor 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215272317
NCBI GeneID	1240
NCBI Accession #	NP_001135815.1
NCBI GenBank Nucleotide #	NM_001142343.1
UniProt Accession #	Q99788; O75748; Q3KP37; Q5U0H0; Q99789; A8K6Y5
Molecular Weight	Observed: 42 kDa Predicted: 43 kDa
NCBI Official Full Name	chemokine-like receptor 1 isoform a
NCBI Official Synonym Full Names	chemerin chemokine-like receptor 1
NCBI Official Symbol	CMKLR1
NCBI Official Synonym Symbols	DEZ; RVER1; ChemR23; CHEMERINR
NCBI Protein Information	chemokine-like receptor 1
UniProt Protein Name	Chemokine-like receptor 1
UniProt Gene Name	CMKLR1
UniProt Synonym Gene Names	CHEMR23; DEZ

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.