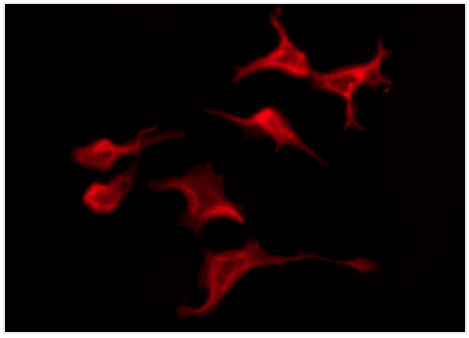
CMKLR1 Antibody – Rabbit Polyclonal

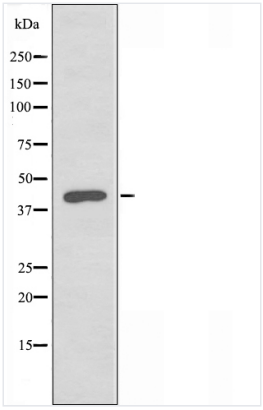
PRODUCT OVERVIEW

Product Name	CMKLR1, Polyclonal Antibody
Full Product Name	CMKLR1 Antibody
Product Gene Name	anti-CMKLR1 antibody
Product Synonym Names	CHEMERINR; Chemokine like receptor 1; Chemokine-like receptor 1; CHEMR23; CMKLR1; 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
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	CMKLR1 antibody detects endogenous levels of total CMKLR1
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	CMKLR1 peptide (MBS9623722) is used for blocking the activity of CMKLR1 antibody (MBS9605005)
Molecular Weight	Observed: 42 kD Predicted: 43 kDa
3D Structure	ModBase 3D Structure for Q99788
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
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
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CMKLR1 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-CMKLR1 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500

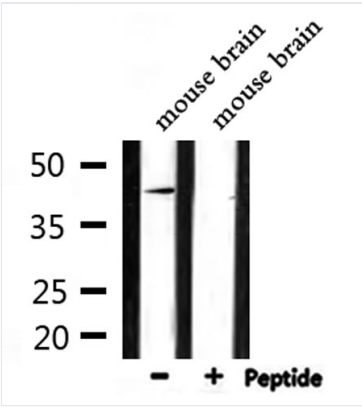
Related Product Information for anti-CMKLR1 antibody	Function: Receptor for the chemoattractant adipokine chemerin/RARRES2 and for the omega-3 fatty acid derived molecule resolvin E1. Interaction with RARRES2 induces activation of intracellular signaling molecules, such as SKY, MAPK1/3 (ERK1/2), MAPK14/P38MAPK 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.
Other Notes	Small volumes of anti-CMKLR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CMKLR1 purchase	MBS9605005 is an antibody targeting CMKLR1. Also known as CMKLR1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunofluorescence (IF) of anti-CMKLR1 antibody
MBS9605005 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.



Western Blot (WB) of anti-CMKLR1 antibody
Western blot analysis of extracts from HepG2 cells using CMKLR1 antibody.



Western Blot (WB) of anti-CMKLR1 antibody
Western blot analysis of extracts from mouse brain, using CMKLR1 Antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CMKLR1. It may not necessarily be applicable to this product.

NCBI GI #	215272317
NCBI GeneID	1240
NCBI Accession #	NP_001135815.1
UniProt Primary Accession #	Q99788
UniProt Secondary Accession #	O75748; Q3KP37; Q5U0H0; Q99789; A8K6Y5

UniProt Related Accession #	Q99788
GenBank Nucleotide #	NM_001142343.1
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
UniProt Protein Name	Chemokine-like receptor 1
UniProt Synonym Protein Names	G-protein coupled receptor ChemR23; G-protein coupled receptor DEZ
UniProt Gene Name	CMKLR1
UniProt Synonym Gene Names	CHEMR23; DEZ
NCBI Protein Information	chemokine-like receptor 1
UniProt Comments for CMKLR1	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).
Research Articles on CMKLR1	**1.** CMKLR1 and GPR1 were widely expressed in vascular smooth muscle.
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