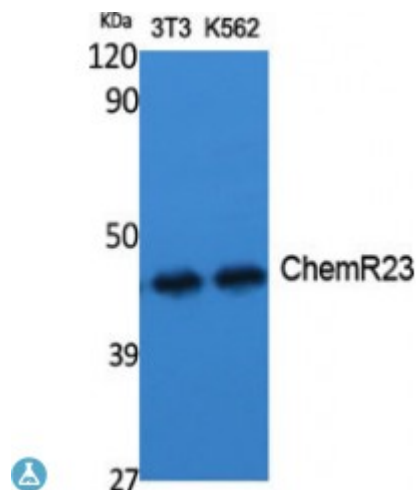


Anti-ChemR23 antibody



Description

ChemR23 is a protein encoded by the CMKLR1 gene which is approximately 42,3 kDa. ChemR23 is localised to the cell membrane. It is involved in the peptide ligand-binding receptors and is a receptor for the chemo-attractant adipokine chemerin/RARRES2 and for the omega-3 fatty acid derived molecule resolvin E1. Interaction with RARRES2 also induces activation of intracellular signalling molecules. ChemR23 is prominently expressed in developing osseous and cartilaginous tissue. Mutations in the CMKLR1 gene may result in Cataract and Alzheimer's disease. STJ92262 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of ChemR23 protein.

Model	STJ92262
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human ChemR23
Immunogen Region	190-270 aa, Internal
Gene ID	1240
Gene Symbol	CMKLR1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	ChemR23 Polyclonal Antibody detects endogenous levels of ChemR23 protein.
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 bloo

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Chemokine-like receptor 1 G-protein coupled receptor ChemR23 G-protein coupled receptor DEZ
Molecular Weight	42 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:2121OMIM:602351
Alternative Names	Chemokine-like receptor 1 G-protein coupled receptor ChemR23 G-protein coupled receptor DEZ
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 angiogenesis. 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).
Cellular Localization	Cell membrane