

ARG67056 anti-ChemR23 / CMKLR1 antibody

Package: 100 µl
Store at: -20°C

Summary

Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ChemR23 / CMKLR1
Species	Human
Immunogen	Synthetic peptide corresponding to Human CMKLR1 .
Conjugation	Un-conjugated
Alternate Names	CMKLR1, Chemerin Chemokine-Like Receptor 1, Chemokine-Like Receptor 1, RVER1, G-Protein Coupled Receptor ChemR23, G-Protein Coupled Receptor DEZ, Chemerin-Like Receptor 1, Resolvin E1 Receptor, Chemerin Receptor, DEZ, Orphan G-Protein Coupled Receptor, Dez, Chemokine Receptor-Like 1, CHEMERINR, ChemR23, CHEMR23

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:300
	IHC-P	1:100 - 1:300
	WB	1:500 - 1:2000
Positive Control	A549	
Observed Size	42 kDa	

Properties

Form	Liquid
Purification	Affinity chromatography purified
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CMKLR1
Gene Full Name	Chemerin Chemokine-Like Receptor 1
Background	Enables adipokinetic hormone binding activity and adipokinetic hormone receptor activity. Involved in several processes, including negative regulation of NF-kappaB transcription factor activity; positive regulation of macrophage chemotaxis; and regulation of calcium-mediated signaling. Located in plasma membrane. [provided by Alliance of Genome Resources, Apr 2022]
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 angiogenesis 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. [UniProt]
Calculated Mw	42 kDa
PTM	Disulfide bond; Glycoprotein; Phosphoprotein
Cellular Localization	Cell membrane; Membrane