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Datasheet for ABIN1715118

anti-CMKLR1 antibody (AA 151-250)

1 Image

2 Publications

Overview

Quantity:	100 µL
Target:	CMKLR1
Binding Specificity:	AA 151-250
Reactivity:	Human, Mouse, Rat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CMKLR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse CMKLR1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Pig, Rat
Purification:	Purified by Protein A.

Target Details

Target:	CMKLR1
Alternative Name:	CMKLR1 (CMKLR1 Products)

Target Details

Background: Synonyms: DEZ, Gpcr27, ChemR23, mcmklr1, Chemokine-like receptor 1, G-protein coupled receptor DEZ, Cmklr1

Background: 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 (By similarity). Positively regulates adipogenesis and adipocyte metabolism.

Gene ID: 14747

UniProt: [P97468](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

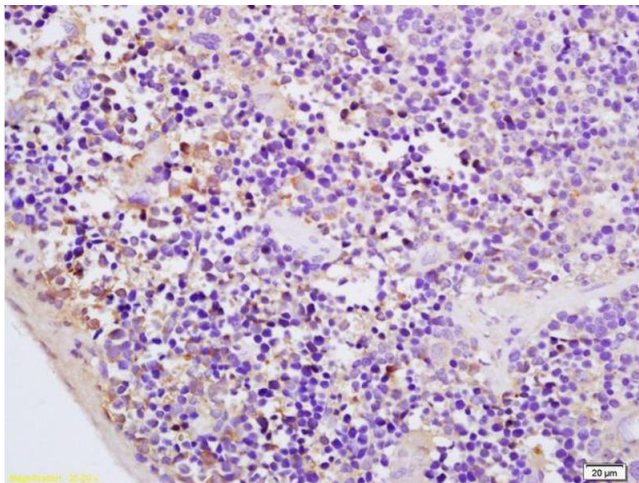
Expiry Date: 12 months

Publications

Product cited in: Qu, Zhang, Yao, Song, Nikolic-Paterson, Li: "Resolvins E1 and D1 inhibit interstitial fibrosis in the obstructed kidney via inhibition of local fibroblast proliferation." in: **The Journal of pathology**, Vol. 228, Issue 4, pp. 506-19, (2014) ([PubMed](#)).

Peng, Yu, Liu, Li, He, Cheng, Ye: "The Chemerin Receptor CMKLR1 is a Functional Receptor for Amyloid- β Peptide." in: **Journal of Alzheimer's disease : JAD**, (2014) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat spleen labeled with Rabbit Anti CMKLR1 Polyclonal Antibody, Unconjugated (ABIN1715118) at 1:200 followed by conjugation to the secondary antibody and DAB staining