

Datasheet for ABIN7167807

anti-Chemerin antibody (AA 21-157)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	Chemerin (RARRES2)
Binding Specificity:	AA 21-157
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Chemerin antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Retinoic acid receptor responder protein 2 protein (21-157AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Chemerin (RARRES2)
Alternative Name:	RARRES2 (RARRES2 Products)
Background:	Background: Adipocyte-secreted protein (adipokine) that regulates adipogenesis, metabolism and inflammation through activation of the chemokine-like receptor 1 (CMKLR1). Its other

Target Details

ligands include G protein-coupled receptor 1 (GPR1) and chemokine receptor-like 2 (CCRL2). Positively regulates adipocyte differentiation, modulates the expression of adipocyte genes involved in lipid and glucose metabolism and might play a role in angiogenesis, a process essential for the expansion of white adipose tissue. Also acts as a proinflammatory adipokine, causing an increase in secretion of proinflammatory and prodiabetic adipokines, which further impair adipose tissue metabolic function and have negative systemic effects including impaired insulin sensitivity, altered glucose and lipid metabolism, and a decrease in vascular function in other tissues. Can have both pro- and anti-inflammatory properties depending on the modality of enzymatic cleavage by different classes of proteases. Acts as a chemotactic factor for leukocyte populations expressing CMKLR1, particularly immature plasmacytoid dendritic cells, but also immature myeloid DCs, macrophages and natural killer cells. Exerts an anti-inflammatory role by preventing TNF/TNFA-induced VCAM1 expression and monocytes adhesion in vascular endothelial cells. The effect is mediated via inhibiting activation of NF-kappa-B and CRK/p38 through stimulation of AKT1/NOS3 signaling and nitric oxide production. Its dual role in inflammation and metabolism might provide a link between chronic inflammation and obesity, as well as obesity-related disorders such as type 2 diabetes and cardiovascular disease. Exhibits an antimicrobial function in the skin.

Aliases: HP10433 antibody, RAR responsive protein TIG2 antibody, RAR-responsive protein TIG2 antibody, RARR2_HUMAN antibody, RARRES2 antibody, Retinoic acid receptor responder (tazarotene induced) 2 antibody, Retinoic acid receptor responder 2 antibody, Retinoic acid receptor responder protein 2 antibody, Tazarotene induced gene 2 protein antibody, Tazarotene-induced gene 2 protein antibody, TIG2 antibody

UniProt:	Q99969
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Pathways:	Brown Fat Cell Differentiation
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Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,
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Restrictions:	For Research Use only
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Handling

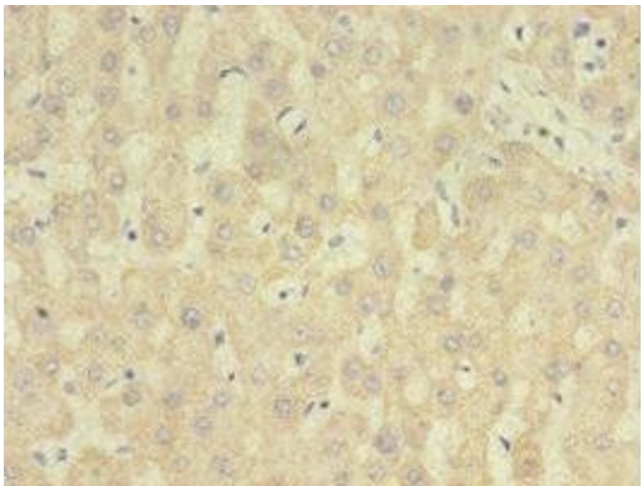
Format:	Liquid
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Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
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Handling

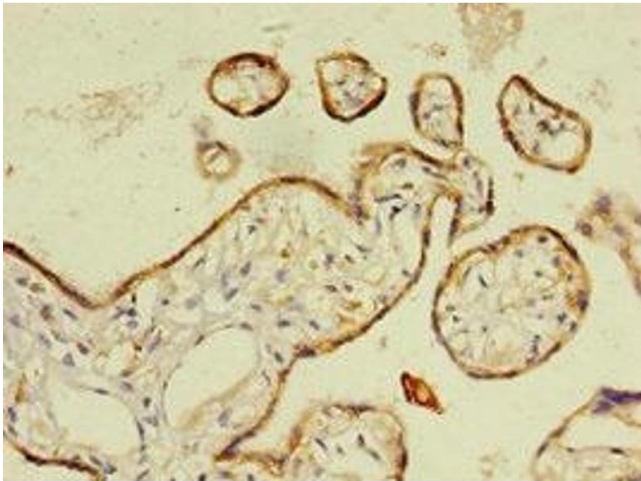
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



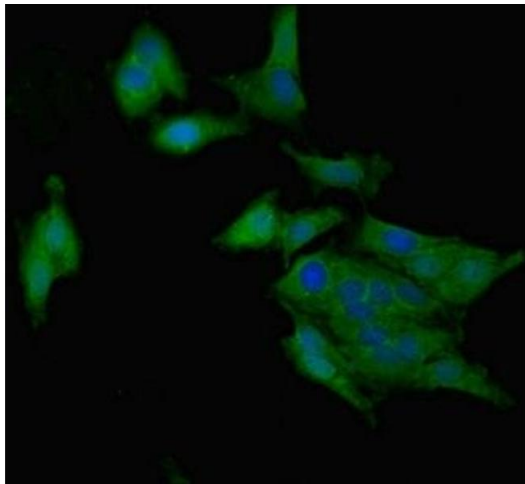
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human liver tissue using ABIN7167807 at dilution of 1:100



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7167807 at dilution of 1:100



Immunofluorescence

Image 3. Immunofluorescent analysis of Hela cells using ABIN7167807 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)