

For Research Use Only

Chemerin/RARRES2 Polyclonal antibody

Catalog Number:10216-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

10216-1-AP

Concentration:

650 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0261

GenBank Accession Number:

BC000069

GeneID (NCBI):

5919

UNIPROT ID:

Q99969

Full Name:

retinoic acid receptor responder
(tazarotene induced) 2

Calculated MW:

163 aa, 19 kDa

Observed MW:

14-19 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : human plasma tissue,

IHC : human placenta tissue, mouse liver tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Chemerin, also named as TIG2 and RARRES2, is adipocyte-secreted protein (adipokine) that regulates adipogenesis, metabolism and inflammation through activation of the chemokine-like receptor 1 (CMKLR1). Its other ligands include G protein-coupled receptor 1 (GPR1) and chemokine receptor-like 2 (CCRL2). It 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. RARRES2 have both pro- and anti-inflammatory properties depending on the modality of enzymatic cleavage by different classes of proteases. The MW of Chemerin is 14-19 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Ming Yu	36523492	Front Pharmacol	WB,IHC
Xiaoyuan Hu	35155249	Front Oncol	IHC
Xuan Zhou	33843164	J Zhejiang Univ Sci B	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

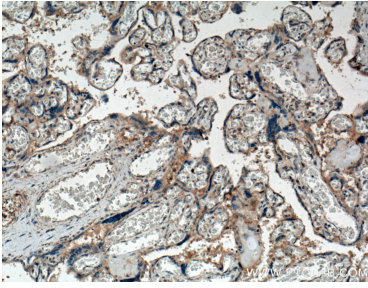
T: 4006900926

E: Proteintech-CN@ptglab.com

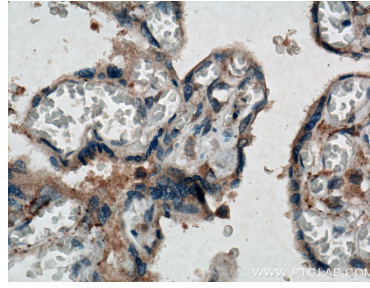
W: ptgcn.com

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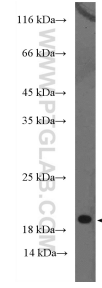
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10216-1-AP (Chemerin antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10216-1-AP (Chemerin antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



human plasma were subjected to SDS PAGE followed by western blot with 10216-1-AP (Chemerin antibody at dilution of 1:300 incubated at room temperature for 1.5 hours.