

For Research Use Only

Chemerin Polyclonal antibody

Catalog Number: 10216-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 10216-1-AP	GenBank Accession Number: BC000069	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 650 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5919	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: retinoic acid receptor responder (tazarotene induced) 2	
Isotype: IgG	Calculated MW: 163 aa, 19 kDa	
Immunogen Catalog Number: AG0261	Observed MW: 14-19 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB: human plasma tissue, IHC: human placenta tissue, mouse liver tissue
Cited Applications: IHC, WB	
Species Specificity: human, Mouse	
Cited Species: human, mouse	

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 (CCL2). 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

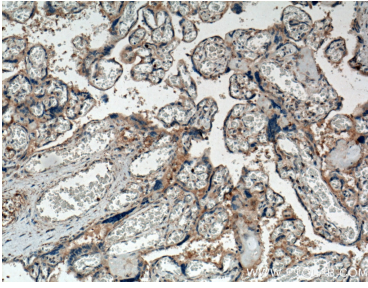
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

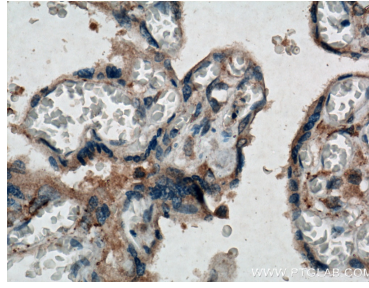
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

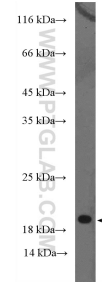
Selected Validation Data



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.