

For Research Use Only

CTRP1 Polyclonal antibody

Catalog Number: 12209-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

12209-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2854

GenBank Accession Number:

BC021553

GeneID (NCBI):

114897

UNIPROT ID:

Q9BX01

Full Name:

C1q and tumor necrosis factor related protein 1

Calculated MW:

281 aa, 32 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:3000

IHC: 1:20-1:200

IF/ICC: 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, rat

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

Positive Controls:

WB : human testis tissue, J774A.1 cells, RAW 264.7 cells

IHC : human prostate cancer tissue, human placenta tissue

IF/ICC : HepG2 cells,

Background Information

C1q and tumor necrosis factor related protein 1 (CTRP1), also known as C1QTNF1, is a member of the CTRP superfamily. CTRP1 is a secreted glycoprotein synthesized by a variety of tissues and cells, such as adipose tissue and macrophages. CTRP1 is a paralog of adiponectin. CTRP1 plays a critical role in regulating inflammation and lipid metabolism and acts as a targeted treatment for atherosclerosis, heart failure, hypertension, NAFLD, and diabetes mellitus (PMID: 36812667).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|---------------------|-------------|
| Huizhi Fei | 34422821 | Front Cell Dev Biol | WB |
| Liyan Chen | 31183364 | Biomed Res Int | WB |
| Jiechuan Qiu | 37529377 | Front Mol Biosci | IHC |

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

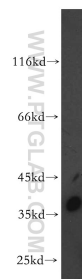
T: 4006900926

E: Proteintech-CN@ptglab.com

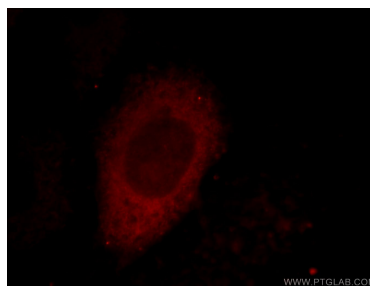
W: ptgcn.com

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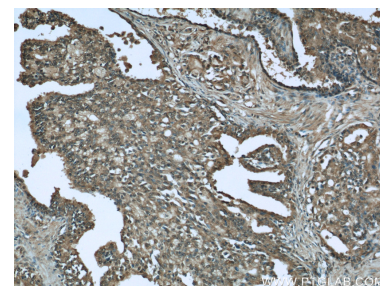
Selected Validation Data



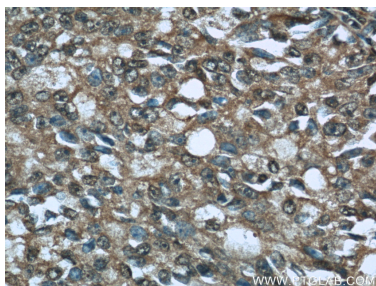
human testis tissue were subjected to SDS PAGE followed by western blot with 12209-1-AP (CTRP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using C1QTNF1 antibody 12209-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12209-1-AP (CTRP1 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12209-1-AP (CTRP1 antibody at dilution of 1:50 (under 40x lens).