

# CTRP1 Polyclonal antibody

Catalog Number: 30289-1-AP

## Basic Information

<b>Catalog Number:</b> 30289-1-AP	<b>GenBank Accession Number:</b> NM_030968	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 400 ug/ml	<b>GeneID (NCBI):</b> 114897	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BXQ1	
<b>Isotype:</b> IgG	<b>Full Name:</b> C1q and tumor necrosis factor related protein 1	
<b>Immunogen Catalog Number:</b> AG31779	<b>Calculated MW:</b> 32KD	
	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> human adipose tissue, <b>IHC :</b> mouse heart tissue, mouse kidney tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

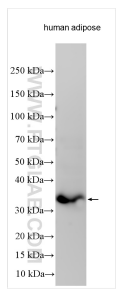
## Background Information

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).

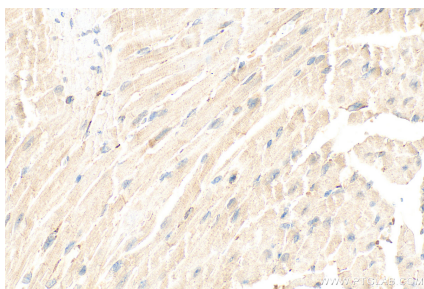
## Storage

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

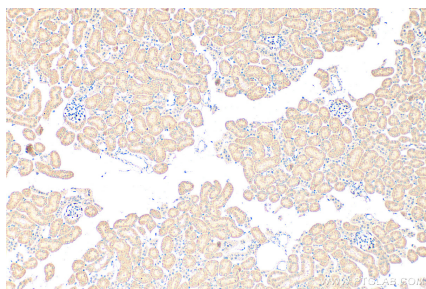
## Selected Validation Data



human adipose tissue was subjected to SDS PAGE followed by western blot with 30289-1-AP (CTRP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 30289-1-AP (CTRP1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 30289-1-AP (CTRP1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).