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Datasheet for ABIN6990596

**anti-C1QTNF3 antibody (AA 90-140)**

## Overview

Quantity:	0.1 mg
Target:	C1QTNF3
Binding Specificity:	AA 90-140
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C1QTNF3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Anti-CTRP3 antibody was raised against a peptide corresponding to 16 amino acids near the center of human CTRP3. The immunogen is located within amino acids 90-140 of CTRP3.
Isotype:	IgG
Specificity:	Multiple isoforms of CTRP3 are known to exist. CTRP3 antibody is predicted to not recognize other members of the CTRP protein family.
Purification:	CTRP3 Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	C1QTNF3
Alternative Name:	CTRP3 ( <a href="#">C1QTNF3 Products</a> )

## Target Details

**Background:** CTRP3 Antibody: Adipose tissue of an organism plays a major role in regulating physiologic and pathologic processes such as metabolism and immunity by producing and secreting a variety of bioactive molecules termed adipokines. One highly conserved family of adipokines is adiponectin/ACRP30 and its structural and functional paralogs, the C1q/tumor necrosis factor- $\alpha$ -related proteins (CTRPs) 1-7. Unlike adiponectin, which is expressed exclusively by differentiated adipocytes, the CTRPs are expressed in a wide variety of tissues. An analysis of the crystal structure of adiponectin revealed a structural and evolutionary link between TNF and C1q-containing proteins, suggesting that these proteins arose from a common ancestral innate immunity gene. It has been suggested that CTRP3 may play a role in skeletal development.

**Molecular Weight:** Predicted: 27kD  
Observed: 30 kD (Post-modification: 1 N-linked glycosylation) kDa

**Gene ID:** 114899

**NCBI Accession:** [NP\\_852100](#)

**UniProt:** [Q9BXJ4](#)

## Application Details

**Application Notes:** WB: 1  $\mu$ g/mL, IHC: 2  $\mu$ g/mL, IF: 10  $\mu$ g/mL.

Antibody validated: Western Blot in human, mouse and rat samples, Immunohistochemistry in mouse samples, Immunofluorescence in mouse samples. All other applications and species not yet tested.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** CTRP3 Antibody is supplied in PBS containing 0.02 % sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

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Storage:	-20 °C, 4 °C
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Storage Comment:	CTRP3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
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