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Datasheet for ABIN6990559

**anti-CTRP7 antibody (N-Term)**

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 0.1 mg  |
| Target:              | CTRP7 (C1QTNF7)   |
| Binding Specificity: | N-Term  |
| Reactivity:          | Human, Mouse, Rat   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This CTRP7 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|               |   |
|---------------|---|
| Immunogen:    | CTRP7 antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human CTRP7. The immunogen is located within the first 50 amino acids of CTRP7. |
| Isotype:      | IgG   |
| Specificity:  | These proteins often migrate in SDS-PAGE at positions other than their predicted size.  |
| Purification: | CTRP7 Antibody is affinity chromatography purified via peptide column.  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | CTRP7 (C1QTNF7)                            |
| Alternative Name: | CTRP7 ( <a href="#">C1QTNF7 Products</a> ) |

## Target Details

**Background:** CTRP7 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. These proteins are thought to act mainly on liver and muscle tissue to control glucose and lipid metabolism. 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. Like the other members of the adiponectin and CTRP protein family, the mature CTRP7 is secreted and can be found in the organism's circulatory system.

**Gene ID:** 109323

**UniProt:** [Q8BVD7](#)

## Application Details

**Application Notes:** CTRP7 antibody can be used for the detection of CTRP7 by Western blot at 1 - 4  $\mu$ g/mL. Antibody can also be used for immunocytochemistry starting at 10  $\mu$ g/mL.

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

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** CTRP7 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.

**Storage:** -20 °C, 4 °C

**Storage Comment:** CTRP7 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.