

## Product datasheet for **TA306282**

### C1qtnf7 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC, WB
Recommended Dilution:	CTRP7 antibody can be used for the detection of CTRP7 by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 10 µg/mL. Antibody validated: Immunocytochemistry in human samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Rabbit anti-CTRP7 polyclonal antibody was raised against recombinant human CTRP7.
Specificity:	These proteins are often highly modified post-translationally and migrate in SDS-PAGE at positions other than their predicted size.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	CTRP7 Antibody is DEAE purified.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	C1q and tumor necrosis factor related protein 7
Database Link:	<a href="#">AAY21932</a> <a href="#">Entrez Gene 109323 Mouse</a> <a href="#">Q8BVD7</a>



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**Background:**

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 (reviewed in 1). 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 (2). Unlike adiponectin, which is expressed exclusively by differentiated adipocytes, the CTRPs are expressed in a wide variety of tissues (3). 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 (4). 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 (1).

**Synonyms:**

CTRP7; ZACRP7