

## Anti-CTRP6 C1QTNF6 Antibody

Catalog Number: A12414-1

### About C1QTNF6

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. CTRP6 contains at least 4 glycosylation motifs, suggesting that CTRP6 may be highly post-translationally modified.

### Overview

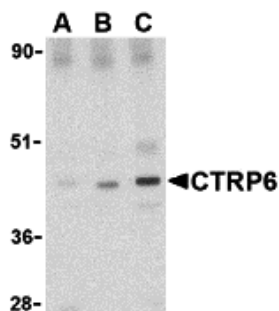
Product Name	Anti-CTRP6 C1QTNF6 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CTRP6 C1QTNF6 Antibody (Catalog # A12414-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	CTRP6 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	CTRP6 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9BXI9

### Technical Details

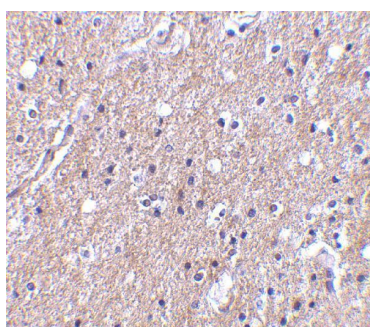
Immunogen	CTRP6 antibody was raised against a 15 amino acid synthetic peptide from near the center of human CTRP6. The immunogen is located within amino acids 80 - 130 of CTRP6.
Predicted Reactive Species	Rat
Cross Reactivity	These proteins often migrate in SDS-PAGE at positions other than their predicted size.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	CTRP6 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	<p>CTRP6 antibody can be used for the detection of CTRP6 by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL.</p> <p>Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.</p>

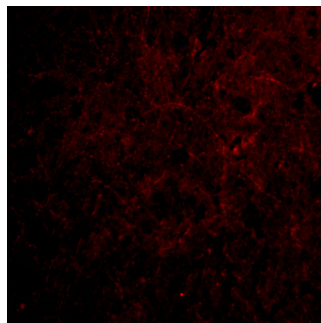
## Anti-CTRP6 C1QTNF6 Antibody (A12414-1) Images



Western blot analysis of CTRP6 in mouse brain cell lysate with CTRP6 antibody at (A) 0.5, (B) 1 and (C) 2 ug/mL.



Immunohistochemistry of CTRP6 in human brain tissue with CTRP6 antibody at 10 ug/mL.



Immunofluorescence of CTRP6 in Human Brain cells with CTRP6 antibody at 20 ug/mL.

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