

Datasheet for ABIN6990553
anti-C1QTNF4 antibody (AA 90-140)



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Overview

Quantity:	0.1 mg
Target:	C1QTNF4
Binding Specificity:	AA 90-140
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C1QTNF4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	CTRP4 antibody was raised against a 16 amino acid synthetic peptide from near the center of human CTRP4. The immunogen is located within amino acids 90 - 140 of CTRP4.
Isotype:	IgG
Specificity:	These proteins are often highly modified post-translationally and migrate in SDS-PAGE at positions other than their predicted size.
Purification:	CTRP4 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	C1QTNF4
Alternative Name:	CTRP4 (C1QTNF4 Products)

Target Details

Background:	CTRP4 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- α -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. Multiple isoforms of mouse CTRP4 have been reported.
Gene ID:	114900
UniProt:	Q9BXJ3

Application Details

Application Notes:	CTRP4 antibody can be used for the detection of CTRP4 by Western blot at 1 - 4 μ g/mL. Antibody can also be used for immunohistochemistry starting at 10 μ g/mL. For immunofluorescence start at 20 μ g/mL. Antibody validated: Western Blot in rat samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	CTRP4 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:	CTRP4 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.