

Product datasheet for **TA306230**

CTRP1 (C1QTNF1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	CTRP1 (NT) antibody was raised against a 15 amino acid peptide from near the amino-terminus of human CTRP1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
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 1
Database Link:	NP_940995 Entrez Gene 114897 Human Q9BXJ1



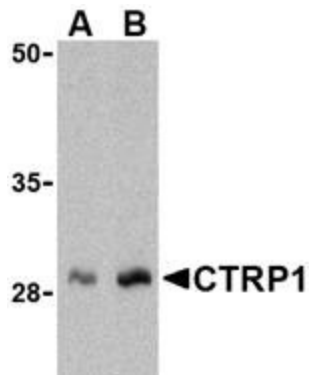
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Background:

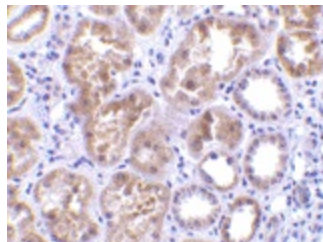
Adipose tissue of an organism plays a major role in regulating physiologic and pathologic processes such as metabolism and immunity by producing and secreting a variety of bioactive molecules termed adipokines (reviewed in 1). One highly conserved family of adipokines is adiponectin/ACRP30 and its structural and functional paralogs, the C1q/tumor necrosis factor- α -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). In obese (ob/ob) mice, RT-PCR analysis showed that mCTRP1 transcripts are seen at substantially higher levels in adipose tissues compared to those of normal mice (3).

Synonyms:

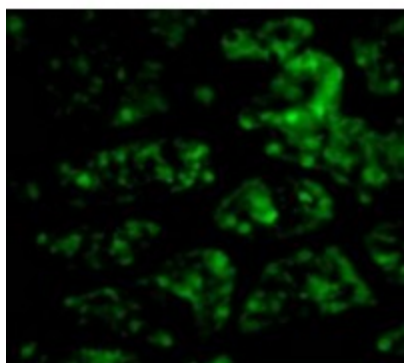
CTRP1; GIP; ZSIG37

Product images:

Western blot analysis of CTRP1 in human kidney cell lysate with CTRP1 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of CTRP1 in human kidney tissue with CTRP1 antibody at 10 ug/ml.



Immunofluorescence of CTRP1 in Human Kidney cells with CTRP1 antibody at 20 ug/mL.