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anti-C1QTNF1 antibody (N-Term)

2 Images



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Overview

Quantity:	0.1 mg
Target:	C1QTNF1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C1QTNF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human CTRP1 / G protein coupled receptor interacting protein 1 / GIP (N-Terminus) Peptide
Isotype:	IgG
Specificity:	CTRP1 (NT) antibody was raised against a 15 amino acid peptide from near the aminoterminus of human CTRP1.
Purification:	Affinity chromatography purified via peptide column

Target Details

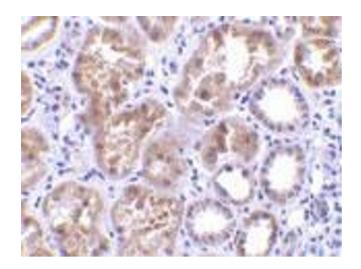
Target:	C1QTNF1
Alternative Name:	C1QTNF1 (C1QTNF1 Products)

Target Details

Storage Comment:

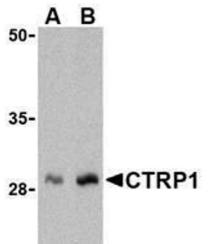
Background:	Adipose tissue of an organism plays a major role in regulating physiologic and pathologic
	processes such as metabolism and immunity by producing and secreting a variety of bioactive
	molecules termed adipokines (reviewed in 1). One highly conserved family of adipokines is
	adiponectin/ACRP30 and its structural and functional paralogs, the C1q/tumor necrosis factor-
	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, Complement C1q tumor
	necrosis factor-related protein 1, G protein-coupled receptor-interacting protein, GIP
Gene ID:	114897
NCBI Accession:	NP_940995
UniProt:	Q9BXJ1
Application Details	
Application Notes:	ELISA. Western Blot: CTRP1 antibody can be used for the detection of CTRP1 at 1 μg/mL.
	Theseproteins are often highly modified post-translationally and migrate in SDS-PAGE
	atpositions other than their predicted size. Immunohistochemistry.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Buffer:	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:	4 °C

Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of CTRP1 in human kidney tissue with CTRP1 antibody at $10 \mu g/ml$.



Western Blotting

Image 2. Western blot analysis of CTRP1 in human kidney cell lysate with AP30247PU-N CTRP1 antibody at (A) 1 and (B) 2 μ g/ml.