Datasheet for ABIN499669

anti-C1QTNF4 antibody (C-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	C1QTNF4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C1QTNF4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human CTRP4 (C-Terminus) Peptide
Isotype:	IgG
Specificity:	CTRP4 antibody was raised against a 16 amino acid peptide from near the carboxy terminus of human CTRP4.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	C1QTNF4
Alternative Name:	C1QTNF4 (C1QTNF4 Products)

Target Details

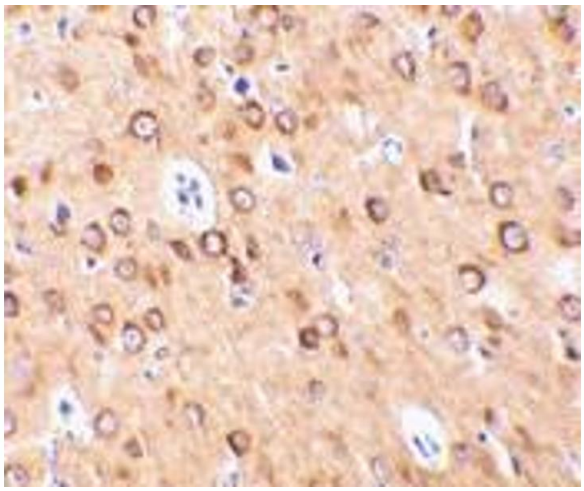
Background:	Adipose tissue of an organism plays a major role in regulating physiologic and pathologic processes such as metabolism and immunity by producing and secreting a variety of bioactive molecules termed adipokines (reviewed in 1). One highly conserved family of adipokines is adiponectin/ACRP30 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). Multiple isoforms of mouse CTRP4 have been reported.Synonyms: CTRP4, Complement C1q tumor necrosis factor-related protein 4
Gene ID:	114900
UniProt:	Q9BXJ3

Application Details

Application Notes:	ELISA. Western Blot: CTRP4 antibody can be used for the detection of CTRP4 at 1 - 2 µg/mL. Ratbrain cell lysate can be used as positive control. These proteins are often highly modifiedpost-translationally and migrate in SDS-PAGE at positions 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

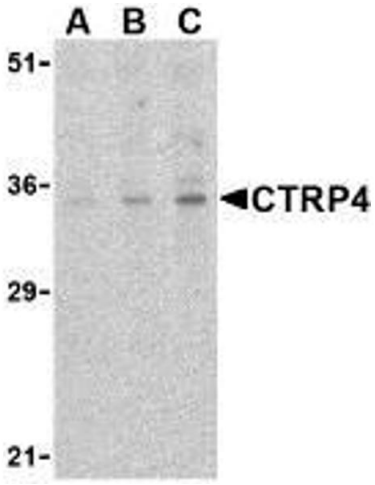
Handling

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
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of CTRP4 in rat brain with CTRP4 antibody at 10 µg/ml.



Western Blotting

Image 2. Western blot analysis of CTRP4 in rat brain cell lysate with AP30252PU-N CTRP4 antibody at (A) 1, (B) 2, and (C) 4 µg/ml.