Datasheet for ABIN499667

anti-C1QTNF3 antibody (Intermediate Domain)

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2 Images

Overview

Quantity:	0.1 mg
Target:	C1QTNF3
Binding Specificity:	Intermediate Domain
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C1QTNF3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Human CTRP3 / CORS26 (Intermediate Domain) Peptide
Isotype:	IgG
Specificity:	CTRP3 antibody was raised against a 16 amino acid peptide from near the center of human CTRP3.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	C1QTNF3
Alternative Name:	C1QTNF3 (C1QTNF3 Products)

Target Details

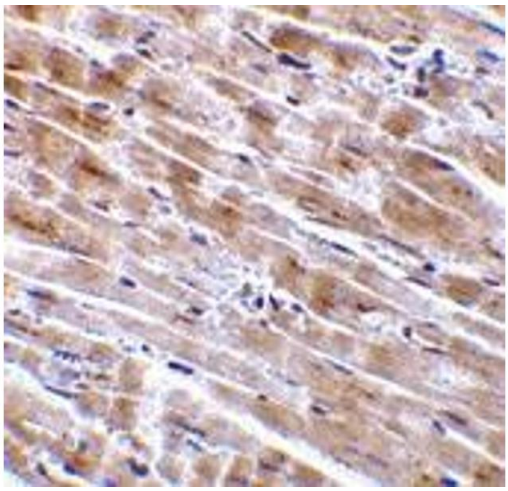
Background:	Adipose tissue of an organism plays a major role in regulating physiologic and pathologic processes such as metabolism and immunity by producing and secreting a variety of bioactive molecules termed adipokines (reviewed in 1). One highly conserved family of adipokines is adiponectin/ACRP30 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). 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 human CTRP3 have been reported. It has been suggested that CTRP3 may play a role in skeletal development (5).Synonyms: C1ATNF3, CORS26, CTRP3, Complement C1q tumor necrosis factor-related protein 3, Secretory protein CORS26
Gene ID:	114899
NCBI Accession:	NP_852100
UniProt:	Q9BXJ4

Application Details

Application Notes:	ELISA. Western Blot: CTRP3 antibody can be used for the detection of CTRP3 by Western blot at 1 -2 µg/mL. Mouse heart cell lysate can be used as positive control. These proteins are oftenhighly modified post-translationally and migrate in SDS-PAGE at positions other than theirpredicted size. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

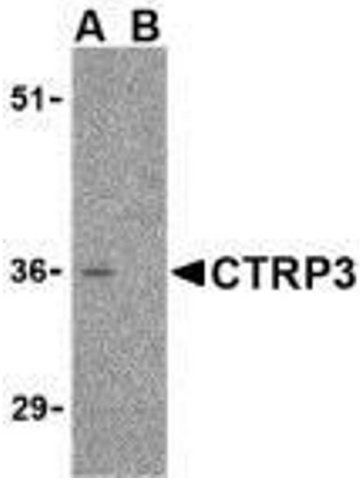
Handling

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 CTRP3 in mouse heart tissue with CTRP3 antibody at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of CTRP3 in mouse heart cell lysate with AP30251PU-N CTRP3 antibody at 1 µg/ml in the (A) absence and (B) presence of blocking peptide.