

Datasheet for ABIN499673

anti-CTRP5 antibody (N-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CTRP5 (C1QTNF5)
Binding Specificity:	N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CTRP5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Murine CTRP5 (N-Terminus) Peptide
Isotype:	IgG
Specificity:	CTRP5 antibody was raised against a 15 amino acid peptide from near the amino terminus of human CTRP5.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	CTRP5 (C1QTNF5)
Alternative Name:	C1QTNF5 (C1QTNF5 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). CTRP5 has been suggested to be involved in age-related macular degeneration (5). Synonyms: CTRP5, Complement C1q tumor necrosis factor-related protein 5

Gene ID: 114902

UniProt: [Q9BXJ0](#)

Application Details

Application Notes: ELISA. Western Blot: CTRP5 antibody can be used for the detection of CTRP5 at 1 - 2 µg/mL. Human brain cell lysate can be used as positive control. These proteins are often highly modified post-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

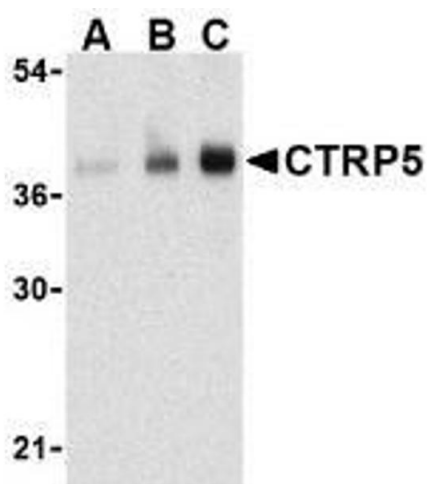
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

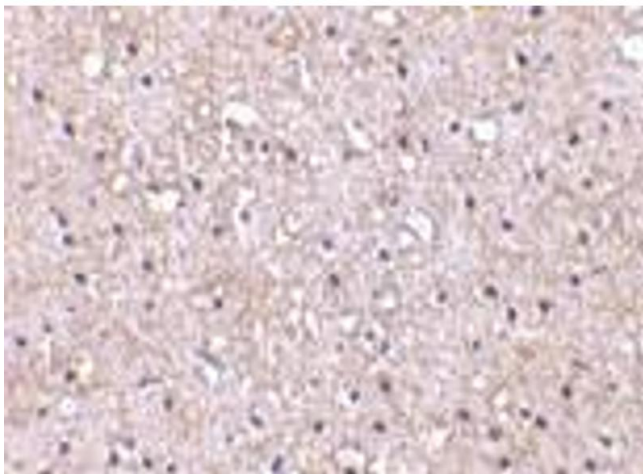
Storage: 4 °C

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



Western Blotting

Image 1. Western blot analysis of CTRP5 in human brain cell lysate with AP30254PU-N CTRP5 antibody at (A) 1, (B) 2, and (C) 4 $\mu\text{g/ml}$.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of CTRP5 in human brain tissue with CTRP5 antibody at 10 $\mu\text{g/ml}$.