

CTRP7 Polyclonal Antibody

Catalog NumberPA5-20198

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	recombinant human CTRP7.	Western Blot (WB)	1 µg/mL
Conjugate	Unconjugated	Immunocytochemistry (ICC/IF)	10 µg/mL
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is 293 cell lysate.

Background/Target Information

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. One highly conserved family of adipokines is adiponectin/ACRP30 and its structural and functional paralogs, the C1q/tumor necrosis factor-alpha-related proteins (CTRPs) 1-7. Unlike adiponectin, which is expressed exclusively by differentiated adipocytes, the CTRPs are expressed in a wide variety of tissues. 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. Like the other members of the adiponectin and CTRP protein family, the mature CTRP7 is secreted and can be found in the organism's circulatory system.

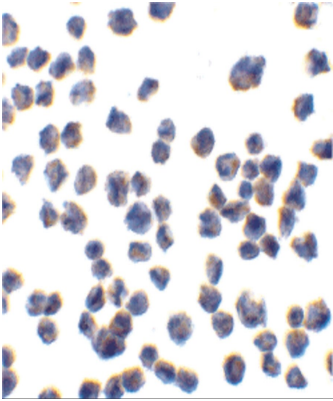
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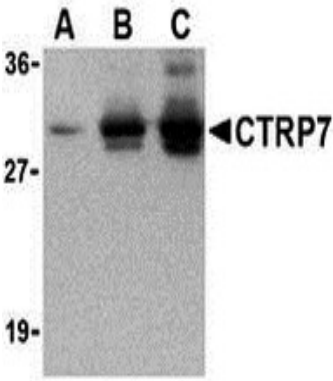
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Product Images For CTRP7 Polyclonal Antibody



**CTRP7 Antibody (PA5-20198) in ICC/IF**  
Immunocytochemistry of CTRP7 in 293 cells with CTRP7 Polyclonal Antibody (Product # PA5-20198) at 10 µg/mL.



**CTRP7 Antibody (PA5-20198) in WB**  
Western Blot of recombinant CTRP7: (A) 5 ng, (B) 25 ng, and (C) 50 ng with CTRP7 Polyclonal Antibody (Product # PA5-20198) at 1 µg/mL.

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