SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CTRP7 antibody

Catalog Number: SL14105R

FOR RESEARCH USE ONLY

[DATASHEET]

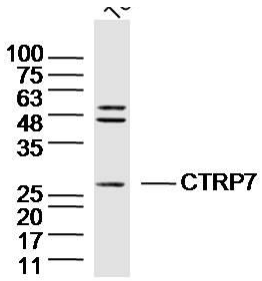
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CTRP7
Immunogen:	KLH conjugated synthetic peptide derived from human CTRP7: 51-150/289
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep)
Predicted MW.:	29kDa
Subcellular Location:	Secretory protein
Background:	CTRP7 is a 289 amino acid secreted glycoprotein that contains one collagen-like domain and one C1q domain. In young obese mice, transcripts of CTRP1, CTRP2, CTRP3, CTRP6 and CTRP7 are found to be upregulated. CTRP7 is predominantly expressed in adipose tissue and may be a paralog of Acrp30 (adiponectin). Caloric restriction in young animals leads to an increase in serum Acrp30, however this is not the case with older animals. During caloric restriction in older animals, transcription of CTRP2 and CTRP7 is significantly induced in senescent skeletal muscle and myocardium. This however is not sufficient to activate AMPK to the same extent as in younger animals, therefore suggesting that CTRP2 and CTRP7 are not suitable substitutions for Acrp30 function. **Subcellular Location:** Secreted. **Similarity:** Contains 1 C1q domain. Contains 1 collagen-like domain. **Database links:**

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Entrez Gene: 114905 Human **Entrez Gene:** 109323 Mouse **Entrez Gene:** 305423 Rat **SwissProt:** Q9BXJ2 Human **SwissProt:** Q8BVD7 Mouse **Unigene:** 153714 Human **Unigene:** 275553 Mouse **Unigene:** 35545 Rat

[VALIDATION IMAGES]



Sample:Testis (Mouse) Lysate at 40 ug
Primary: Anti-CTRP7(SL14105R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 29kD
Observed band size: 27kD

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