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anti-CTRP5 antibody

2 Images



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Overview

Quantity:	100 μg
Target:	CTRP5 (C1QTNF5)
Reactivity:	Human
Host:	Guinea Pig
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant human CTRP5.
Specificity:	Recognizes a N-terminal region of CTRP5 full-length protein. Detects bands of \sim 15 kDa and \sim 26 kDa by Western blot. This antibody is CTRP5-specific.
Cross-Reactivity:	Human
Sterility:	0.2 μm filtered

Target Details

Target:	CTRP5 (C1QTNF5)
Alternative Name:	CTRP5 (C1QTNF5 Products)
Background:	CTRP5 (C1qTNF-related protein 5, C1QTNF5) belongs to a highly conserved family of adiponectin paralogs. CTRP5 mediates activation of AMP-activated protein kinase (AMPK) in muscle and liver cells, thereby regulating glucose and lipid metabolism. Serum levels of CTRP5
	are significantly higher in obese/diabetic animal models compared to normal controls.

Target Details

	Furthermore, CTRP5 may be a putative biomarker for mitochondrial dysfunction. Defects in
	C1QTNF5 are a cause of late-onset retinal degeneration (LORD).
UniProt:	Q9BXJ0

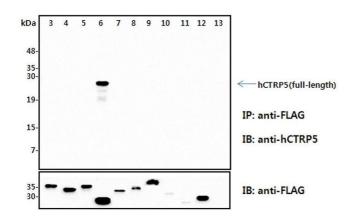
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

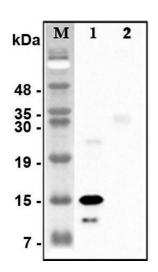
Format:	Liquid
Concentration:	Lot specific
Buffer:	0.2μm-filtered solution in PBS, pH 7.4. Contains no preservatives.
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 6 months after receipt when stored at -20°C.
Expiry Date:	6 months

Images



Immunoprecipitation

Image 1. Immunoprecipitation (IP) analysis of the cell lysates from HEK293 cells transfected with empty vector or a panel of the FLAG-tagged CTRP family (full-length) followed by immunoblot analysis using anti-CTRP5 (human), pAb antibody. 3: hCTRP1-FLAG (full-length) transfected HEK293 cell lysates. 4: hCTRP2-FLAG (full-length) transfected HEK293 cell lysates. 5: hCTRP3-FLAG (full-length) transfected HEK293 cell lysates. 6: hCTRP5-FLAG (full-length) transfected HEK293 cell lysates. 7: hCTRP6-FLAG (full-length) transfected HEK293 cell lysates.



8: hCTRP7-FLAG (full-length) transfected HEK293 cell lysates. 9: hCTRP9-FLAG (full-length) transfected HEK293 cell lysates. 10: hCTRP10-FLAG (full-length) transfected HEK293 cell lysates. 11: hCTRP11-FLAG (full-length) transfected HEK293 cell lysates. 12: hCTRP13-FLAG (full-length) transfected HEK293 cell lysates. 13: Empty vector transfected HEK293 cell lysates.

Western Blotting

Image 2. Western blot analysis of recombinant human CTRPs using anti-CTRP5 (human), pAb at 1:4,000 dilution. 1: Recombinant human CTRP5 protein (His-tagged). 2: Unrelated recombinant protein (His-tagged).