Rat ADP/Acrp30 Antibody Pair Set

Catalog No. E-KAB-0096 **Applications** ELISA
Synonyms Acrp30, GBP28, ACDC, APM1, ADPN, AdipoQ, ADIPQTL1

Kit components & Storage

Title	Specifications	Storage
Rat ADP/Acrp30 Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Rat ADP/Acrp30 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

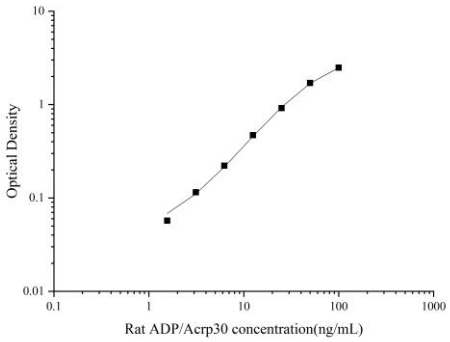
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0096)	
		Rat ADP/Acrp30 Capture Antibody	Rat ADP/Acrp30 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Rat ADP/Acrp30 protein	Recombinant Rat ADP/Acrp30 protein
	Swissprot	Q8K3R4	
Product details	Reactivity	Rat	Rat
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Rat ADP/Acrp30 in ELISAs.	

Applications

Rat ADP/Acrp30 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Rat ADP/Acrp30 Capture Antibody	
ELISA Detection	1:1000-1:10000	Rat ADP/Acrp30 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Adiponectin,alternately named Adipocyte complement-related protein of 30 kDa (Acrp30),adipoQ,adipose most abundant gene transcript 1 (apM1),and gelatin-binding protein of 28 kDa (GBP28),is an adipocyte-specific,secreted protein with potential roles in glucose and lipid homeostasis. Circulating Adiponectin levels are high,accounting for approximately 0.01% of total plasma protein. Adiponectin contains a modular structure that includes an N-terminal collagen-like domain followed by a C-terminal globular domain with significant sequence and structural resemblance to the complement factor C1q. Although they share little sequence identity,similar threedimensional structure and certain conserved amino acid residues suggest an evolutionary link between the C1q-like domain of Adiponectin and members of the TNF superfamily. Adiponectin assembles into different complexes including trimers (low molecular weight),hexamers (middle molecular weight),and higher order oligomeric structures (high molecular weight) that may affect biological activity. Adiponectin is induced during adipocyte differentiation and its secretion is stimulated by insulin. Two receptors for Adiponectin,termed AdipoR1 and AdipoR2,have been cloned. Although functionally distinct from G-protein-coupled receptors,the genes encode predicted proteins containing 7 transmembrane domains. AdipoR1 is highly expressed in skeletal muscle,while AdipoR2 is primarily found in hepatic tissues.