



Acrp30 Polyclonal Antibody

Catalog No	YP-Ab-15870
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	ADIPOQ
Protein Name	Adiponectin
Immunogen	The antiserum was produced against synthesized peptide derived from human Acrp30. AA range:6-55
Specificity	Acrp30 Polyclonal Antibody detects endogenous levels of Acrp30 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ADIPOQ; ACDC; ACRP30; APM1; GBP28; Adiponectin; 30 kDa adipocyte complement-related protein; Adipocyte complement-related 30 kDa protein; ACRP30; Adipocyte; C1q and collagen domain-containing protein; Adipose most abundant gene transcript 1
Observed Band	30kD
Cell Pathway	Secreted .
Tissue Specificity	Synthesized exclusively by adipocytes and secreted into plasma.
Function	disease:Defects in ADIPOQ are the cause of adiponectin deficiency (ADPND) [MIM:612556]. ADPND results in very low concentrations of plasma adiponectin..disease:Genetic variations in ADIPOQ are associated with non-insulin-dependent diabetes mellitus (NIDDM) [MIM:125853]; also known as diabetes mellitus type 2. NIDDM is characterized by an autosomal dominant mode of inheritance, onset during adulthood and insulin resistance..domain:The C1q domain is commonly called the globular domain..function:Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha



by negatively regulating its expression in various tissues such as liver

Background

adiponectin, C1Q and collagen domain containing(ADIPOQ) Homo sapiens
This gene is expressed in adipose tissue exclusively. It encodes a protein with similarity to collagens X and VIII and complement factor C1q. The encoded protein circulates in the plasma and is involved with metabolic and hormonal processes. Mutations in this gene are associated with adiponectin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Apr 2010],

matters needing attention

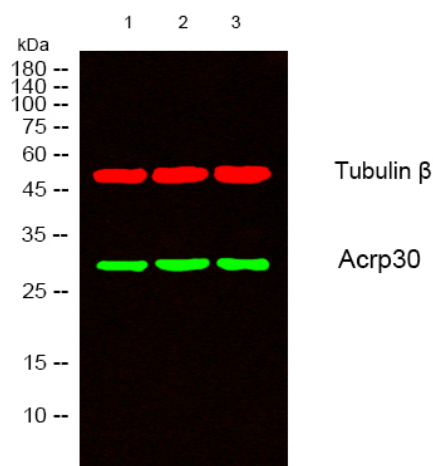
Avoid repeated freezing and thawing!

Usage suggestions

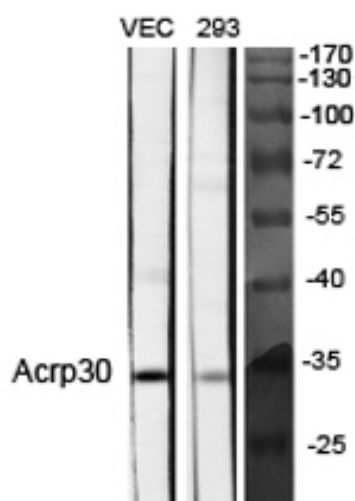
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



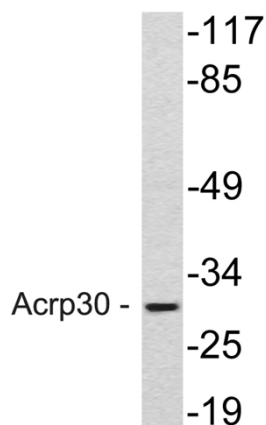
Products Images



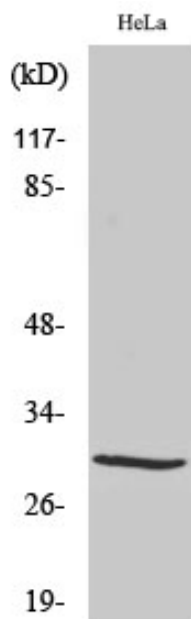
Western blot analysis of lysates from 1) HeLa, 2) VEC, 3) 293 cells, (Green) primary antibody was diluted at 1:1000, 4° over night, secondary antibody (cat:RS23920) was diluted at 1:10000, 37° 1 hour. (Red) Tubulin β Monoclonal Antibody (5G3) (cat:YM3030) antibody was diluted at 1:5000 as loading control, 4° over night, secondary antibody (cat:RS23710) was diluted at 1:10000, 37° 1 hour.



Western Blot analysis of various cells using Acrp30 Polyclonal Antibody diluted at 1:1000



Western Blot analysis of HeLa cells using Acrp30 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysate from HeLa cells, using Acrp30 antibody.