# Acrp30 Monoclonal Antibody

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| **Catalog No** | BYmab-15870 |
| **Isotype** | IgG |
| **Reactivity** | Human;Mouse;Rat |
| **Applications** | WB |
| **Gene Name** | ADIPOQ |
| **Protein Name** | Adiponectin |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human Acrp30. AA range:6-55 |
| **Specificity** | Acrp30 Monoclonal Antibody detects endogenous levels of Acrp30 protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source** | Monoclonal, Mouse,IgG |
| **Purification** | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | WB 1:500-2000 |
| **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 |

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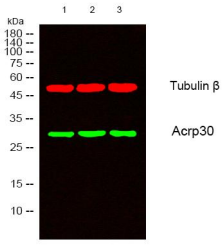
| | adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. 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 various cells using Acrp30 Monoclonal Antibody