

## Product datasheet for **SM6027**

### Adiponectin (ADIPOQ) Mouse Monoclonal Antibody [Clone ID: 1G12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1G12
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot</b> (1/250-1/1,000), recommended starting dilution is 1/500.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human adiponectin (15-244 aa) purified from <i>E. coli</i> .
Specificity:	<b>This antibody (1G12) has the specificity against globular domain of Adiponectin.</b>
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	adiponectin, C1Q and collagen domain containing
Database Link:	<a href="#">Entrez Gene 9370 Human Q15848</a>



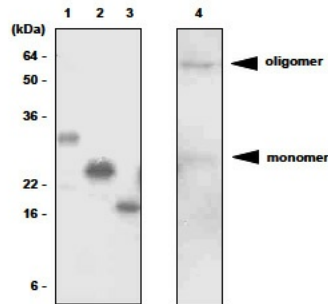
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**Background:**

Human Adiponectin, also referred to as AdipoQ, Acrp30, apm-1 or GBP28, is a secreted protein expressed exclusively in differentiated adipocyte (adipokine). Adiponectin contains a modular structure comprising an N-terminal collagenous domain followed by a C-terminal globular domain (gAcrp30). Adiponectin plays a role in various physiological processes such as energy homeostasis and obesity. Plasma levels of adiponectin are reduced in obese humans, and decreased levels are associated with insulin resistance and hyperinsulinemia.

**Synonyms:**

ADIPOQ, ACDC, ACRP30, APM1, GBP28

**Product images:**


1: Recombinant human Acrp30 protein(full length)  
 2: Recombinant human gAcrp30- fusion protein  
 3: Recombinant mouse gAcrp30 protein  
 4: Mouse liver lysates

Western blot analysis: The recombinant proteins and mouse liver lysates were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human adiponectin antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and anECL detection system. Arrows indicate the oligomer and monomer of mAcrp30 protein in mouse liver. (\*gAcrp: globular domain of adiponectin)