

Product datasheet for **SM6014**

Adiponectin (ADIPOQ) Mouse Monoclonal Antibody [Clone ID: 5H7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5H7
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot (1:500 - 1:2,000), recommended starting dilution is 1:1000.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human adiponectin (15-244 aa) purified from E. coli
Specificity:	This antibody clone 5H7 is specific for the collagen-like domain of adiponectin.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
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:	Entrez Gene 9370 Human Q15848



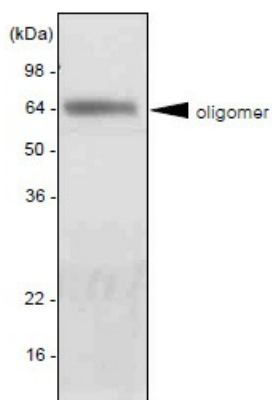
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Background:

Human Adiponectin, also referred to as AdipoQ, Acrp30, apm-1 or GBP28, is a secreted protein expressed exclusively in differentiated adipocyte (an adipokine family member). 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:

Western blot analysis: The extract of mouse liver was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human adiponectin antibody (1:2000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Arrow indicates the oligomer of mouse adiponectin protein in mouse liver.