



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

RABBIT ANTI ADIPONECTIN (C-TERMINAL)

With HRP-conjugated Secondary Antibody

Catalog No.
DS-PB-00079

Species
Human

Isotype
Rabbit IgG

Preparation

Preparation: Antisera to Human Adiponectin (CT) were raised by repeated immunizations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Immunogen: A 15 amino acid peptide located near human Adiponectin carboxy-terminus.

Specificity

This product recognizes an epitope within the C-terminal region (CT) of the 244 amino acid protein Adiponectin (also known as Acrp30), a major adipokine secreted into the bloodstream from adipose tissue to modulate metabolism, including glucose regulation and fatty acid catabolism.

Unlike most other adipokines, Adiponectin is secreted exclusively by differentiating adipocytes at reduced levels during obesity. The serum level of Adiponectin is inversely correlated with BMI (body mass index) of an individual, and has an anti-inflammatory action, playing an important role in type II diabetes (insulin sensitivity) and atherosclerosis.

Species Cross Reactivity: Reacts with: Human, Mouse, Rat

Antibody reactivity and working conditions may vary between species.

Formulation

Product Type: Polyclonal Antibody

Product Form: Purified IgG - liquid

Preservative Stabilizers: 0.02% Sodium Azide (NaN₃)

Approx. Protein: Concentrations: IgG concentration 1.0mg/ml

Storage

18 months from date of dispatch.

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Avoid repeated freezing and thawing as this may denature the antibody.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			•	
Western Blotting (*)	•			1-2ug/ml
Immunohistology - frozen			•	
Immunohistology – paraffin(*)	•			10ug/ml
Immunohistology - resin			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

(*)Histology Positive Control Tissue Rat brain.

Western Blotting AHP1005 detects a band of approximately 26.4kDa in human HL60 cell lysates

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

Reference

1. Wong, G.W. et al. (2004) A family of Acrp30/adiponectin structural and functional paralogs. P.N.A.S. 101: 10302-10307.
2. Lihn, A.S. et al. (2005) Adiponectin: action, regulation and association to insulin sensitivity. Obes. Rev. 6: 13-21.
3. Trayhurn, P. and Wood, I.S. (2005) Signalling role of adipose tissue: adipokines and inflammation in obesity. Biochem. Soc. Trans. 33: 1078-1081.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**