



# Anti-ADIPOQ monoclonal antibody, clone 2C3 (DCABH-403)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to Adiponectin
<b>Antigen Description</b>	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 and macrophages, and also by counteracting its effects. Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW.
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 19-244 of Human Adiponectin (NP_004788), produced in HEK293T cells
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	2C3
<b>Purification</b>	This antibody was purified from Mouse ascites fluids by affinity chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P, Flow Cyt, ICC/IF
<b>Positive Control</b>	HEK293T cell lysate transfected with pCMV6-ENTRY Adiponectin; COS7 cells transiently

transfected by pCMV6-ENTRY Adiponectin; Human kidney tissue; Human liver carcinoma tissue; Human thyroid tissue

<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 1% BSA, 50% Glycerol, 48% PBS
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	store at -20°C. Avoid freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ADIPOQ adiponectin, C1Q and collagen domain containing [ Homo sapiens ]</a>
<b>Official Symbol</b>	ADIPOQ
<b>Synonyms</b>	ADIPOQ; adiponectin, C1Q and collagen domain containing; ACDC, adipocyte, C1Q and collagen domain containing; adiponectin; ACRP30; AdipoQ; adipose most abundant gene transcript 1; apM1; GBP28; gelatin-binding protein 28; adipose specific collagen-like fa
<b>Entrez Gene ID</b>	<a href="#">9370</a>
<b>Protein Refseq</b>	<a href="#">NP_001171271</a>
<b>UniProt ID</b>	<a href="#">A8K660</a>
<b>Chromosome Location</b>	3q27
<b>Pathway</b>	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Developmental Biology, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem; Transcriptional Regulation of White Adipocyte Differentiation, organism-specific biosystem;
<b>Function</b>	cytokine activity; eukaryotic cell surface binding; hormone activity; identical protein binding; protein binding; protein homodimerization activity; receptor binding; sialic acid binding;