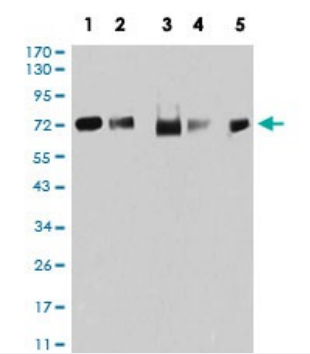
ADIPOQ monoclonal antibody, clone 5B5B10

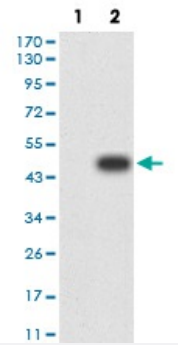
Catalog # MAB17825 Size 100 ug

Applications



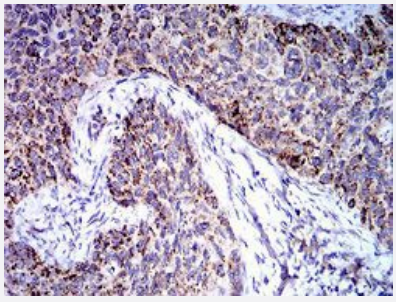
Western Blot (Cell lysate)

Western blot analysis of (1) MCF-7 cell, (2) HeLa cell, (3) K562 cell, (4) A549 cell, (5) MOLT4 cell with ADIPOQ monoclonal antibody.



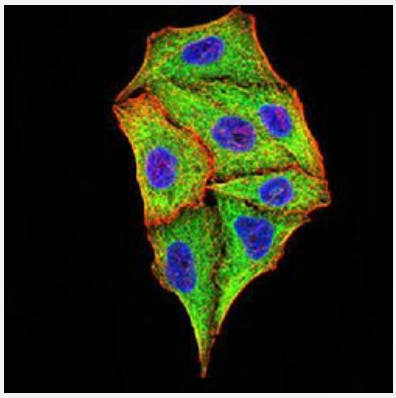
Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) ADIPOQ-hIgGFc transfected HEK293 cell lysate with ADIPOQ monoclonal antibody.



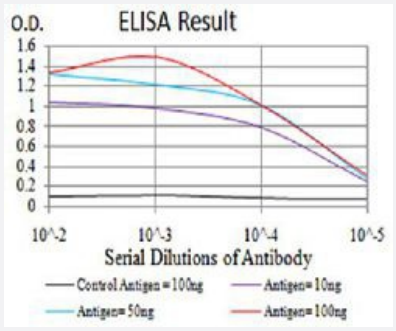
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded cervical cancer tissue with ADIPOQ monoclonal antibody.



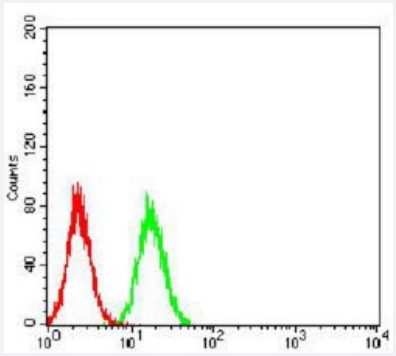
Immunocytochemistry

Immunocytochemical staining of HeLa cells with ADIPOQ monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ADIPOQ monoclonal antibody, clone 5B5B10.



Flow Cytometry

Flow cytometric analysis of HeLa cells with ADIPOQ monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human ADIPOQ.
Immunogen	Recombinant protein corresponding to amino acids 211-360 of human ADIPOQ from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	26.4
Reactivity	Human
Form	Liquid
Isotype	IgG2b

Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Immunocytochemistry (1:50-1:250) Immunohistochemistry (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of paraffin-embedded cervical cancer tissue with ADIPOQ monoclonal antibody.

- Immunocytochemistry

  Immunocytochemical staining of HeLa cells with ADIPOQ monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).

- Enzyme-linked Immunoabsorbent Assay

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- Flow Cytometry

  Flow cytometric analysis of HeLa cells with ADIPOQ monoclonal antibody (green) and negative control (red).

Gene Info — ADIPOQ

Entrez GeneID	9370

Gene Name	ADIPOQ
Gene Alias	ACDC, ACRP30, ADPN, APM-1, APM1, GBP28, adiponectin
Gene Description	adiponectin, C1Q and collagen domain containing
Omim ID	605441
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	adipocyte, C1Q and collagen domain containing|adipocyte, C1Q and collagen domain-containing |adiponectin|adipose most abundant gene transcript 1|gelatin-binding protein 28

Pathway

- Adipocytokine signaling pathway
- PPAR signaling pathway
- Type II diabetes mellitus

Disease

- Acute Disease
- Adenocarcinoma
- Albuminuria
- Alzheimer disease
- Anorexia Nervosa
- Atherosclerosis
- Birth Weight
- Body Weight
- Brain Ischemia
- Breast cancer

- Breast Neoplasms
- Calcinosis
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cellulitis
- Cerebral Infarction
- Cerebrovascular Accident
- Colorectal Neoplasms
- Coronary Artery Disease
- Coronary Disease
- Coronary Stenosis
- Diabetes
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Diabetic Neuropathies
- Diabetic Retinopathy
- Disease Progression
- Dyslipidemias
- Edema
- Esophageal Neoplasms
- Fatty Liver

- Genetic Predisposition to Disease
- Glomerulonephritis
- Glucose Intolerance
- Glucose Metabolism Disorders
- HIV Infections
- HIV-Associated Lipodystrophy Syndrome
- Hyperaldosteronism
- Hyperandrogenism
- Hypercholesterolemia
- Hyperglycemia
- Hyperinsulinism
- Hyperlipidemias
- Hypertension
- Inflammation
- Insulin Resistance
- Intracranial Arteriosclerosis
- Ischemia
- Kidney Failure
- Liver Cirrhosis
- Lupus Erythematosus
- Lymphoma
- Metabolic Diseases
- Metabolic Syndrome X
- Multiple Organ Failure
- Myocardial Infarction
- Neoplasms

- Obesity
- Osteoporosis
- Ovarian Failure
- Overweight
- Pancreatitis
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Pregnancy Complications
- Prostate cancer
- Prostatic Neoplasms
- Proteinuria
- Psychiatric Status Rating Scales
- Puberty
- Renal Insufficiency
- Schizophrenia
- Thinness
- Thrombophilia
- Tobacco Use Disorder
- Vascular Diseases
- Weight Gain
- Weight Loss
- Werner syndrome