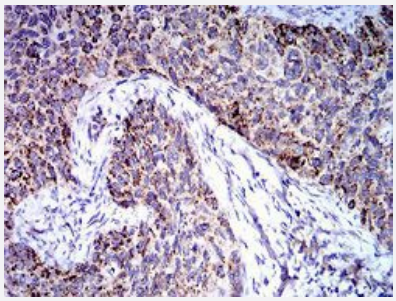
ADIPOQ monoclonal antibody, clone 5B5B10

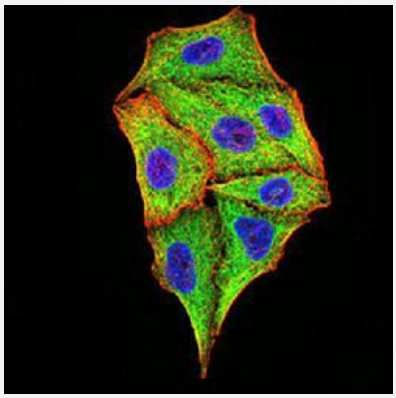
Catalog # MAB17825 Size 100 ug

Applications



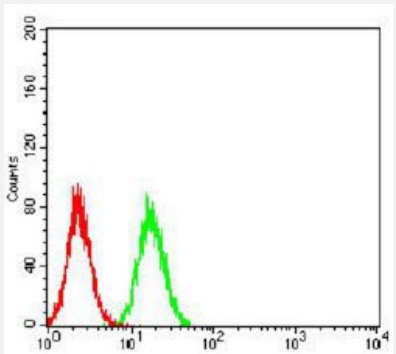
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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).



Flow Cytometry

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

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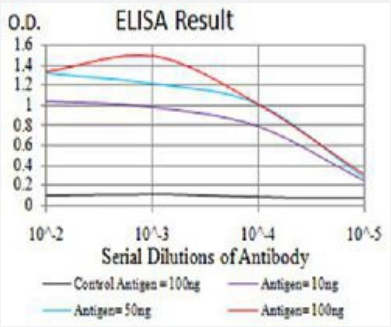
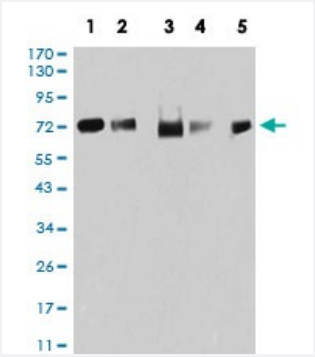


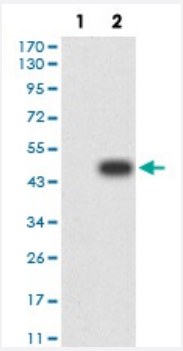
Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ADIPOQ monoclonal antibody, clone 5B5B10.



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.

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

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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

- 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).

- Flow Cytometry

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

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of ADIPOQ monoclonal antibody, clone 5B5B10.

- 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.

Gene Info — ADIPOQ

Entrez GeneID	9370

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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

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- 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

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- 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

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- 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

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