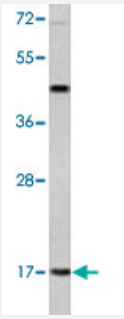
LEP polyclonal antibody

Catalog # PAB4729 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of MDA-MB-231 cell lysate (35 ug/lane) with LEP polyclonal antibody (Cat # PAB4729).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of LEP.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human LEP.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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.

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Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Cell lysate)

  Western blot analysis of MDA-MB-231 cell lysate (35 ug/lane) with LEP polyclonal antibody (Cat # PAB4729).

Gene Info — LEP

Entrez GeneID	3952
Protein Accession#	NP_000221
Gene Name	LEP
Gene Alias	FLJ94114, OB, OBS
Gene Description	leptin
Omim ID	164160
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is secreted by white adipocytes, and which plays a major role in the regulation of body weight. This protein, which acts through the leptin receptor, functions as part of a signaling pathway that can inhibit food intake and/or regulate energy expenditure to maintain constancy of the adipose mass. This protein also has several endocrine functions, and is involved in the regulation of immune and inflammatory responses, hematopoiesis, angiogenesis and woun d healing. Mutations in this gene and/or its regulatory regions cause severe obesity, and morbid o besity with hypogonadism. This gene has also been linked to type 2 diabetes mellitus developme nt. [provided by RefSeq
Other Designations	leptin (murine obesity homolog)|leptin (obesity homolog, mouse)|obese, mouse, homolog of|obesi ty factor

Publication Reference

- Plasma resistin, adiponectin and leptin levels in lean and obese subjects: correlations with insulin resistance.

  Silha JV, Krsek M, Skrha JV, Sucharda P, Nyomba BL, Murphy LJ.

  European Journal of Endocrinology 2003 Oct; 149(4):331.

  Application: RIA, Human, Human plasma

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- Bound leptin and sympathetic outflow in nonobese men.

  Tank J, Jordan J, Diedrich A, Schroeder C, Furlan R, Sharma AM, Luft FC, Brabant G.

  The Journal of Clinical Endocrinology and Metabolism 2003 Oct; 88(10):4955.

- C-reactive protein in young, apparently healthy men: associations with serum leptin, QTc interval, and high-density lipoprotein-cholesterol.

  Kazumi T, Kawaguchi A, Hirano T, Yoshino G.

  Metabolism: Clinical and Experimental 2003 Sep; 52(9):1113.

  Application: ELISA, Human, Serum

Pathway

- Adipocytokine signaling pathway
- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway
- Neuroactive ligand-receptor interaction

Disease

- Adenocarcinoma
- Albuminuria
- Amyotrophic lateral sclerosis
- Anorexia Nervosa
- Anoxia
- Asthma
- Atherosclerosis
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Behcet Syndrome

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- Birth Weight
- Body Weight
- Breast cancer
- Breast Neoplasms
- Bulimia
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Chronic Disease
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Coronary Restenosis
- Cues
- Depressive Disorder
- Diabetes Mellitus
- Disease Models
- Disease Progression
- Diseases in Twins
- Dyslipidemias
- Edema
- Endometrial Neoplasms
- Esophageal Neoplasms
- Fatty Liver
- Fetal Membranes
- Fetal Weight

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- Genetic Predisposition to Disease
- HELLP Syndrome
- Hepatitis
- Hypertension
- Inflammation
- Insulin Resistance
- Kidney Diseases
- Kidney Failure
- Lung Neoplasms
- Lymphoma
- Mental Disorders
- Metabolic Syndrome X
- Microsatellite Instability
- Mouth Neoplasms
- Multiple Sclerosis
- NARP
- Neovascularization
- Obesity
- Obstetric Labor
- Osteoporosis
- Ovarian Failure
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Pregnancy Complications
- Pregnancy in Diabetics
- Premature Birth

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- Prostate cancer
- Prostatic Neoplasms
- Psoriasis
- Puberty
- Pulmonary Disease
- Satiety Response
- Schizophrenia
- Sleep Apnea
- Taste
- Thinness
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Neoplasms
- Weight Gain
- Weight Loss
- Werner syndrome

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