LEP monoclonal antibody, clone 1E9 1H6

Catalog # MAB3685 Size 1 mg

Specification

Product Description	Mouse monoclonal antibody raised against recombinant LEP.
Immunogen	Recombinant protein corresponding to human LEP.
Host	Mouse
Reactivity	Human
Specificity	This antibody recognizes natural and recombinant human LEP.
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS
Storage Instruction	Store at 4°C.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — LEP

Entrez GeneID	3952
Gene Name	LEP
Gene Alias	FLJ94114, OB, OBS
Gene Description	leptin

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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

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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