

LEP rabbit monoclonal antibody

Catalog # H00003952-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human LEP peptide using ARM Technology.
Immunogen	A synthetic peptide of human LEP is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human LEP peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — LEP

Entrez GeneID [3952](#)

GeneBank Accession# [LEP](#)

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 wound healing. Mutations in this gene and/or its regulatory regions cause severe obesity, and morbid obesity with hypogonadism. This gene has also been linked to type 2 diabetes mellitus development. [provided by RefSeq]

Other Designations leptin (murine obesity homolog)|leptin (obesity homolog, mouse)|obese, mouse, homolog of|obesity 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](#)
- [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](#)
- [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](#)
- [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](#)