

Mouse anti-Human Leptin/OB Monoclonal Antibody | anti-OB antibody

Leptin/OB

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48293	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Leptin/OB; Monoclonal Antibody; LEP; OB; OBS; Leptin; Obesity factor; Obese protein; Leptin Murine Obesity Homolog; LeptinPrecursor Obesity Factor; Obesity; Obesity homolog mouse; Obesity Murine Homolog Leptin; ; anti-OB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	AT7E10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	167
Applicable Applications for anti-OB antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Leptin/OB (22-167aa) purified from E. coli.
Conjugation	Unconjugated
Product Note	This product was produced from tissue culture supernatant.
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)

The cell lysates(40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Leptin/OB antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.;;Lane 1.: 293T cell lysate;;Lane 2.: Leptin/OB Transfected 293T cell lysate;;



ICC (Immunocytochemistry)

ICC/IF analysis of Leptin/OB in HeLa cells. The cell was stained (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-OB antibody	Human leptin is a 16-kDa nonglycosylated hormone that is produced in mature adipocytes. Leptin acts primarily in the hypothalamus to reduce food intake and body weight. In ob/ob mice, the gene encoding leptin is mutated, resulting in morbid obesity and associated abnormalities, including hyperphagia, hypothermia, diabetes and infertility. The function of leptin in regulating appetite and metabolism, as well as the possibility of using leptin as a therapeutic agent, are currently under intense investigation.
Product Categories/Family for anti-OB antibody	Growth factors; Signal Transduction
References	Anini Y., et al. (2003) Diabetes. 52(2): 252-259.; Jeong KJ., et al. (1999) Appl Environ Microbiol. 65(7): 3027-32.; Hyogo H., et al. (2002) J. Biol. Chem. 277(37): 34117-34124.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557715
NCBI GeneID	3952
NCBI Accession #	NP_000221.1
NCBI GenBank Nucleotide #	NP_000221.1
UniProt Accession #	P41159
NCBI Official Full Name	leptin
NCBI Official Synonym Full Names	leptin
NCBI Official Symbol	LEP
NCBI Official Synonym Symbols	OB; OBS; LEPD
NCBI Protein Information	leptin
UniProt Protein Name	Leptin
UniProt Gene Name	LEP
UniProt Synonym Gene Names	OB; OBS
UniProt Entry Name	LEP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.