

Rabbit LEP Polyclonal Antibody | anti-LEP antibody

LEP Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284107	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

LEP; Polyclonal Antibody; LEP Antibody (N-term); Leptin; Obese protein; Obesity factor; OB; OBS; anti-LEP antibody

PRODUCT SPECIFICATIONS

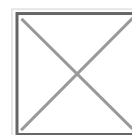
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LEP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-37 amino acids from the N-terminal region of human LEP.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	8-37
Sequence Length	167
Applicable Applications for anti-LEP antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

LEP Antibody (N-term) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



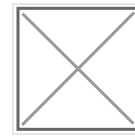
IHC (Immunohistochemistry)

LEP Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of LEP Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



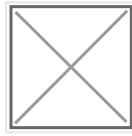
IF (Immunofluorescence)

Confocal immunofluorescent analysis of LEP Antibody (N-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)

Western blot analysis of LEP (arrow) using rabbit polyclonal LEP Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the LEP gene.



WB (Western Blot)

LEP Antibody (N-term) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the LEP antibody detected the LEP protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-LEP antibody	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].
Product Categories/Family for anti-LEP antibody	Cardiovascular ; Metabolism ; Neuroscience ; Signal Transduction
References	Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) : Qin, J., et al. J. Hum. Genet. 55(10):704-706(2010) Friedlander, Y., et al. Ann. Hum. Genet. 74(5):387-398(2010) Sarzynski, M.A., et al. Int J Obes (Lond) (2010) In press : Iciek, R., et al. Ginekol. Pol. 81(8):571-577(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557715
NCBI GeneID	3952
NCBI Accession #	NP_000221.1
NCBI GenBank Nucleotide #	NM_000230.2
UniProt Accession #	P41159 ; O15158 ; Q56A88
Molecular Weight	18641
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/lep-antibody-flow-cytometry-immunohistochemistry-immunofluorescence-western-blot-elisa/284107>