

Rabbit Leptin Polyclonal Antibody | anti-LEP antibody

Leptin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76678	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry

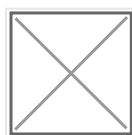
PRODUCT SYNONYMS

Leptin; Polyclonal Antibody; anti-LEP antibody

PRODUCT SPECIFICATIONS

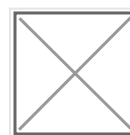
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Form/Format	Affinity Purified antibody Liquid Lyophilized powder
Applicable Applications for anti-LEP antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Synthetic peptide
Preparation and Storage	The product can be stored as supplied for up to 12 months at 2-4 degree C. After reconstitution, aliquot and store at -20 degree C for higher stability or at 4 degree C with an appropriate antibacterial agent. Avoid freeze thaw-cycles.

IMAGES



WB (Western Blot)

Western blot analysis using RA21019



IHC (Immunohistochemistry)

Immunohistochemical detection of Leptin in mouse hypothalamus. Mouse brain was fixed with 4% formaldehyde and cut into 10 um thick cryostat sections. Tissue was incubated with rabbit polyclonal antibody to Leptin at 15ug/mL overnight at 4 degree C followed by incubation with Donkey anti-rabbit Rhodamine Red conjugated secondary antibodies at 1:200. Cell nuclei were counterstained with DAPI (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-LEP antibody	Leptin is 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. 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.
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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	18,641 Da
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; obese protein; obesity factor; obese, mouse, homolog of; leptin (murine obesity homolog); leptin (obesity homolog, mouse)
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/leptin-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76678>