



Rabbit Anti-Leptin antibody

SL0108R

Product Name:	Leptin
Chinese Name:	瘦素抗体
Alias:	LEP; Leptin Murine Obesity Homolog; Leptin Precursor Obesity Factor; OB; Obese Protein; Obesity; Obesity factor; Obesity homolog mouse; Obesity Murine Homolog Leptin; OBS; LEP MOUSE.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	16kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse Leptin:101-154/167
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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, Jul 2008].

Function:

May function as part of a signaling pathway that acts to regulate the size of the body fat depot. An increase in the level of LEP may act directly or indirectly on the CNS to inhibit food intake and/or regulate energy expenditure as part of a homeostatic mechanism to maintain constancy of the adipose mass.

Subunit:

Interacts with SIGLEC6.

Subcellular Location:

Secreted (Probable).

DISEASE:

Leptin deficiency (LEPD) [MIM:614962]: A rare disease characterized by low levels of serum leptin, severe hyperphagia and intractable obesity from an early age. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

Belongs to the leptin family.

SWISS:

P41160

Gene ID:

16846

Database links:

[Entrez Gene: 3952](#)Human

[Entrez Gene: 16846](#)Mouse

[Entrez Gene: 25608](#)Rat

[Omin: 164160](#)Human

[SwissProt: P41159](#)Human

[SwissProt: P41160](#)Mouse

[SwissProt: Q29406](#)Pig

[SwissProt: P50596](#)Rat

[SwissProt: Q28603](#)Sheep

[Unigene: 194236](#)Human

[Unigene: 277072](#)Mouse

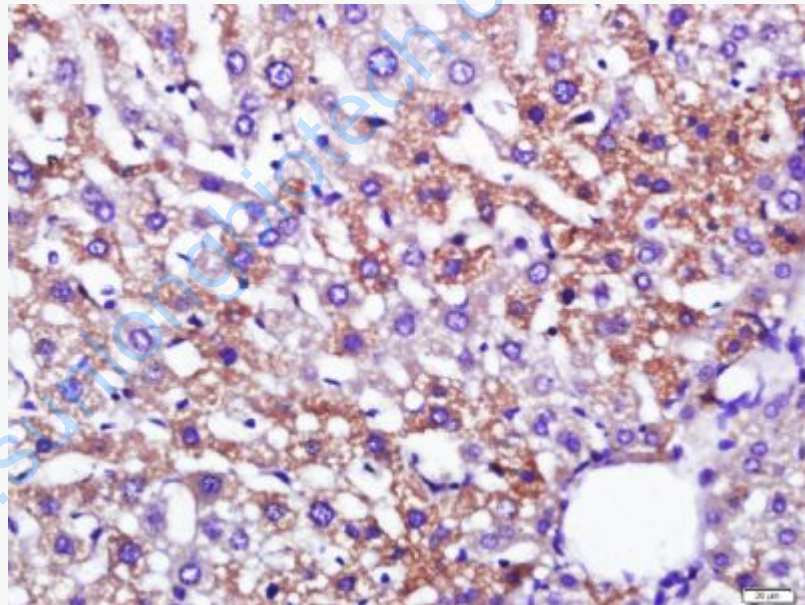
[Unigene: 44444](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Leptin是一种分子量为16kDa的脂肪组织源激素, 又称:肥胖蛋白(Obese-protein)是由脂肪细胞分泌的, 具有强亲水性, 以单体形式存在于血浆中。Leptin 具有广泛的生物学效应, 作用于下丘脑, 调节食欲、能量代谢及体重。Leptin 还可能作为脂肪-胰岛内分泌轴的一部分, 参与胰岛素分泌的调节。

Picture:



Tissue/cell: Mouse liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block

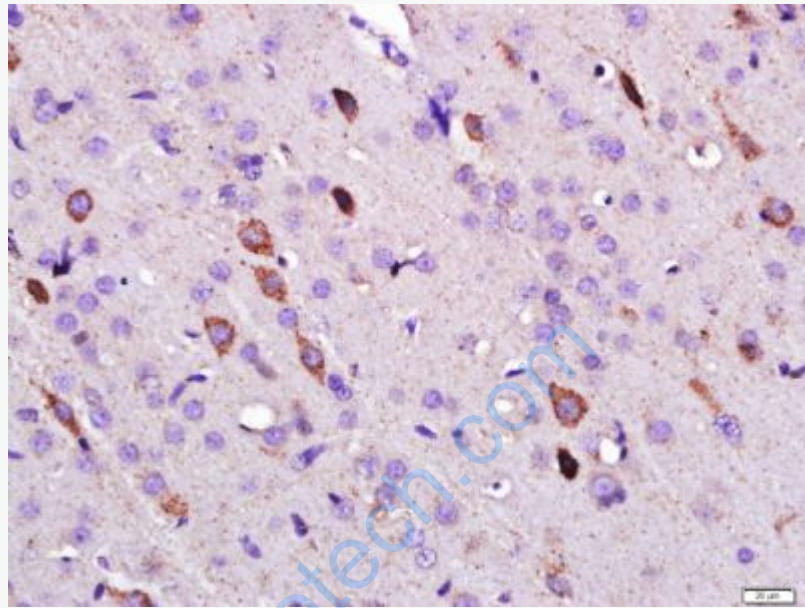
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer

(normal goat serum,C-0005) at 37°C for 20 min;

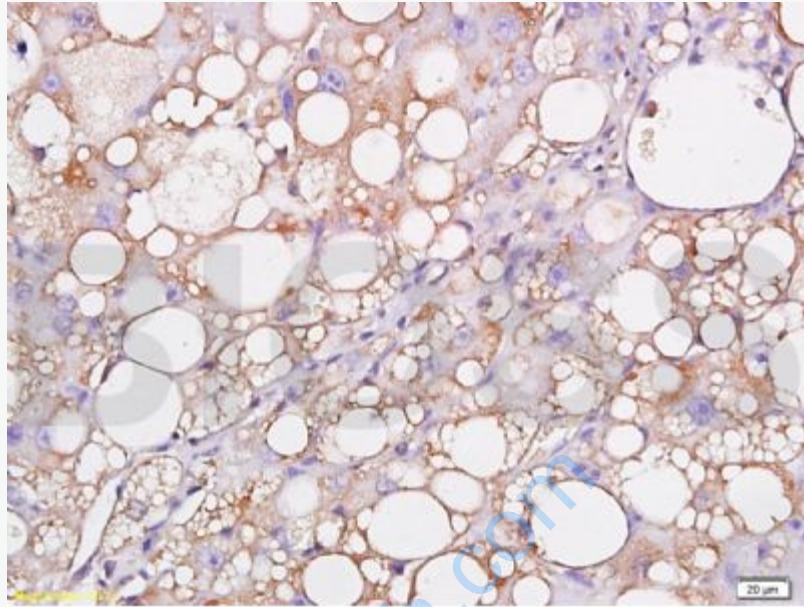
Incubation: Anti-Leptin Polyclonal Antibody, Unconjugated(SL0108R) 1:500,

overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and

DAB(C-0010) staining



Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Leptin Polyclonal Antibody, Unconjugated(SL0108R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



bs-0108R Anti-Leptin

Formalin-fixed and paraffin-embedded Fatty liver of rat labeled with Rabbit Anti- Leptin Polyclonal Antibody, Unconjugated(bs-0108R) at 1:300 followed by conjugation to the secondary antibody and DAB staining

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