

## Leptin Rabbit pAb

Catalog Number: bs-0108R

Target Protein: Leptin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Mouse, Rat (predicted:Pig, Cow, Dog, Horse)

Predicted MW: 16 kDa

Entrez Gene: 16846

Swiss Prot: P41160

Source: KLH conjugated synthetic peptide derived from mouse Leptin: 101-154/167.

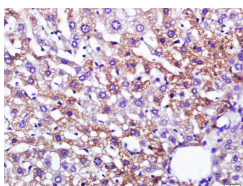
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

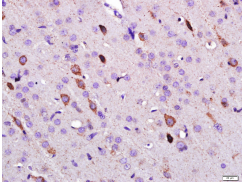
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Leptin, the product of the ob (obese) gene, is a 16kD protein consisting of 146 amino acid residues. Leptin is produced in the adipose tissue, and is considered to play an important role in appetite control, fat metabolism and regulation of body weight. It targets the central nervous system, particularly hypothalamus, affecting food intake. Leptin levels are high in most obese individuals. Studies have shown that it may also influence reproductive function.

### VALIDATION IMAGES



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(bs-0108R) 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(bs-0108R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

## PRODUCT SPECIFIC PUBLICATIONS

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[IF=5.065] Lin Zhu. et al. Leptin Gene Targeted Editing in ob/ob Mouse Adipose Tissue Based on the CRISPR/Cas9 System. J Genet Genomics. 2021 Mar;; IHC,ICC ; Mouse . 10.1016/j.jgg.2021.01.008

[IF=4.9] Jungmin Lee. et al. Effects of Environmental Noise Stress on Mouse Metabolism. INT J MOL SCI. 2024 Jan;25(20):10985 IHC ; Mouse . 39456767