

# Human Leptin Polyclonal Antibody

**CATALOG NO:** 5366-30T 30 µg (Trial size)  
5366-100 100 µg

**CONCENTRATION:** 0.5 mg/ml

**IMMUNOGEN:** *E. coli*-expressed recombinant human leptin (Cat. No. 4366-1)

**INTERNAL ID:** BV-257

**HOST:** Rabbit

**SPECIES REACTIVITY:** Human

**PURIFICATION:** Affinity purified rabbit IgG

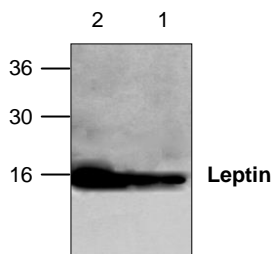
**FORMULATION:** Supplied in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal

**STORAGE CONDITIONS:** Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

**DESCRIPTION:** Leptin is a recently identified protein product of the mouse obese gene. Mice with mutations in the obese gene that block the synthesis of leptin have been found to be obese and diabetic and to have reduced activity, metabolism and body temperature. cDNA clones encoding leptin have been isolated from human, simian, mouse and rat cells. Human leptin shares approximately 84% sequence identity with the mouse protein. Human Leptin cDNA encodes a 167 amino acid residue protein with a 21 amino acid residue signal sequence that is cleaved to yield the 146 amino acid residue mature protein. The expression of leptin mRNA has been shown to be restricted to adipose tissue. Leptin plays an important role in reproduction, immunological response and neuroendocrine signaling.

**APPLICATION:** Western blot: 0.5-4 µg/ml

**Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.)**



**Western blot analysis with recombinant human Leptin.**  
Lane 1: 10 ng rh-Leptin;  
Lane 2: 50 ng rh-Leptin.

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- Apoptosis siRNA Vectors

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- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
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**FOR RESEARCH USE ONLY! Not to be used on humans.**