



Anti Leptin(Rat) Serum **Cat. No. YII-YC040-EX**

Description: The so-called *ob* gene which is mutated in *ob/ob* mice, encodes a 4.5 kb mRNA that is apparently expressed solely in adipose tissue.¹⁾ Funahashi et al.²⁾ examined the gene expression in fat tissues of a non-genetical obese model, VMH-lesioned rats. The *ob* mRNA was identified in both subcutaneous and mesenteric fat tissues in the control rats. The nucleotide sequence of the coding region of rat *ob* gene revealed that the predicted amino acid sequence was highly homologous to that of the mouse Leptin (96% homology), but differs to that of human Leptin, especially at several positions of the N and C-terminus (approximately 80% homology).

Immunogen: Recombinant Leptin (Rat) **Host:** Rabbit

for RIA: final x21,000 dilution

for IHC: x4,000 dilution

Specificity: Rat Leptin 100%, Human Leptin 10%

Amino Acid Residues: 167 Amino Acids

Storage: Keep frozen below -20°C
Avoid repeated freezing-thawing.

REFERENCES:

- 1) Y.Zhang, R.Proenca, M.Maffei, et al., Nature, 372:425-432, 1994
- 2) T.Funahashi, I.Shimomura, H.Hiraoka, et al., Biochem Biophys.Res.Commun., 211:469-475, 1995

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM



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