

LEP

Reactivity: Human

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 18kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human LEP

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

OB; OBS; LEPD;

Catalog #: A5673

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 3952

Isotype: IgG

Swiss Prot: P41159

Purity: Affinity purification

For research use only.

Background:

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.

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