

LEPR

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:1000 IHC 1:50 - 1:100

Calculated MW: 96kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human LEPR

Storage Buffer:

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

Synonym:

OBR; OB-R; CD295; LEP-R

Catalog #: A2999

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 3953

Isotype: IgG

Swiss Prot: P48357

Purity: Affinity purification

For research use only.

Background:

The protein encoded by this gene belongs to the gp130 family of cytokine receptors that are known to stimulate gene transcription via activation of cytosolic STAT proteins. This protein is a receptor for leptin (an adipocyte-specific hormone that regulates body weight), and is involved in the regulation of fat metabolism, as well as in a novel hematopoietic pathway that is required for normal lymphopoiesis. Mutations in this gene have been associated with obesity and pituitary dysfunction. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. It is noteworthy that this gene and LEPROT gene (GeneID:54741) share the same promoter and the first 2 exons, however, encode distinct proteins (PMID:9207021).

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