

For Research Use Only

LEPR Recombinant antibody

Catalog Number: 84464-4-RR



Basic Information

Catalog Number:

84464-4-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002303

GeneID (NCBI):

3953

UNIPROT ID:

P48357

Full Name:

leptin receptor

Calculated MW:

132 kDa

Observed MW:

120 kDa

Purification Method:

Protein A purification

CloneNo.:

241692G9

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : K-562 cells, HeLa cells, HepG2 cells, L02 cells, mouse brain tissue

Background Information

The hormone leptin, secreted predominantly from adipose tissue, plays a crucial role in the regulation of numerous neuroendocrine functions, from energy homeostasis to reproduction (PMID: 22249808). Leptin acts through the leptin receptor (LEPR, also known as OB-R), a single-transmembrane-domain receptor of the cytokine receptor family. On ligand binding, LEPR mediates signaling through JAK2/STAT3 (PMID: 9102398). LEPR plays an important role in the regulation of glucose homeostasis via feeding and adiposity. Alternatively spliced transcript variants encoding different isoforms of LEPR have been described.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

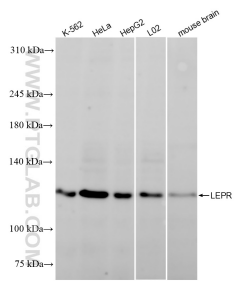
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84464-4-RR (LEPR antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.