

For Research Use Only

LEPR Recombinant antibody

Catalog Number: 84464-4-RR



Basic Information

Catalog Number:

84464-4-RR

Size:

100ul, Concentration: 1000 µg/ml by

Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

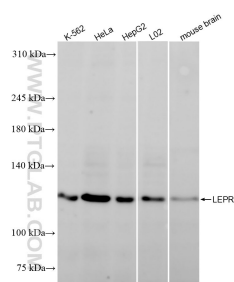
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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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.