For Research Use Only

LEPR Polyclonal antibody

Catalog Number:32817-1-AP 1 Publications

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Basic Information

Catalog Number:
32817-1-AP

Size:
150ul , Concentration: 450 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG2930

GenBank Accession Number:
NM_146146.2

GeneID (NCBI):
16847

UNIPROT ID:
P48356-1

Full Name:
leptin receptor

Calculated MW:
131 kDa

Observed MW:
150 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
WB: 1:500-1:1000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IF

Species Specificity:
mouse, rat

Cited Species:
rat

Positive Controls:

WB : mouse heart tissue, rat heart tissue

Background Information

Leptin receptor (LEPR) is a protein-coding gene that encodes a receptor for leptin, an adipocyte-specific hormone that regulates body weight and fat metabolism (PMID: 11861497; 16333525). LEPR is involved in various physiological processes, including energy homeostasis, immune function, and hematopoiesis (PMID: 11923481; 25383904). It activates the JAK2/STAT3 signaling pathway, which is crucial for mediating leptin's effects on gene transcription and cellular responses (PMID: 11923481). LEPR also plays a role in the regulation of lipid metabolism, blood pressure, and blood glucose levels (PMID: 29254602).

Notable Publications

Author	Pubmed ID	Journal	Application
Xuan Li	41285771	Nat Commun	WB,IF

Storage

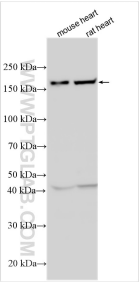
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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

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 32817-1-AP (LEPR antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.