

Rabbit Anti-Mouse Leptin (LEP) Polyclonal Antibody

Cat. No.: VD1N27

Product Type: Animal-targeted Antibodies

Size: 100 µL; 200 µL; 1 mL

Product Overview

BioVenic rabbit polyclonal antibody is specific for mouse leptin. It is affinity purified by protein A. It can be applied to WB, IHC, ICC and IP assays of mouse leptin.

Specifications

Application	WB; IHC; ICC; IP
Clonality	Polyclonal
Classification	Primary Antibody
Clone	A1N27
Host	Rabbit
Target Species	Mouse
Species Reactivity	Mouse
Specificity	Mouse Leptin
Isotype	IgG
Immunogen	Recombinant protein of mouse leptin
Purification	Protein A Purified
Concentration	0.5 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.05% Proclin 300
Buffer	0.01M Phosphate Buffered Saline, pH 7.4, with 50% Glycerol
Physical State	Liquid

Target Information

Mouse Leptin is a protein hormone produced primarily by adipose tissue. It regulates energy homeostasis, neuroendocrine function, and reproduction by acting on the long-form leptin receptor (LepRb) in the brain. Leptin is encoded by the obese gene and is essential for

ential for maintaining energy balance and body weight. Its receptor, LepRb, is widely expressed in the hypothalamus and other brain regions, including the ventral tegmental area and the parabrachial nucleus. Leptin signaling is crucial for reducing food intake and body weight when administered centrally.

Target	Mouse Leptin
Target Synonym	OB; OBS; Obesity Homolog; Obesity Factor; Obese Protein
Gene ID	16846
UniProt ID	P41160

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 2 years). Avoid repeated freezing and thawing as this may denature the antibody.

Reference

McMurphy, Travis, *et al.* "The anti-tumor activity of a neutralizing nanobody targeting leptin receptor in a mouse model of melanoma." *PloS one* 9.2 (2014): e89895.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.