

ARG56809 anti-Leptin antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes Leptin
Tested Reactivity	Ms
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Leptin
Species	Mouse
Immunogen	E.coli derived Recombinant Mouse Leptin. (MVPIQKVQDD TKTLIKTIIVT RINDISHTQS VSAKQRVTGL DFIPGLHPIL SLSKMDQTLA VYQQVLTSLP SQNVLQIAND LENLRDLLHL LAFSKSCSLP QTSGLQKPES LDGVLEASLY STEVVALSRL QGSLQDILQQ LDVSPEC)
Conjugation	Biotin
Alternate Names	Leptin; Obese protein; OB; LEPD; Obesity factor; OBS

Application Instructions

Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56701 as a capture antibody
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 16846 Mouse](#)

[Swiss-port # P41160 Mouse](#)

Gene Symbol

Lep

Gene Full Name

leptin

Background

This gene encodes a protein that is secreted by white adipocytes, and which plays a major role in the regulation of body weight. This protein, which acts through the leptin receptor, functions as part of a signaling pathway that can inhibit food intake and/or regulate energy expenditure to maintain constancy of the adipose mass. This protein also has several endocrine functions, and is involved in the regulation of immune and inflammatory responses, hematopoiesis, angiogenesis and wound healing. Mutations in this gene and/or its regulatory regions cause severe obesity, and morbid obesity with hypogonadism. This gene has also been linked to type 2 diabetes mellitus development. [provided by RefSeq, Jul 2008]

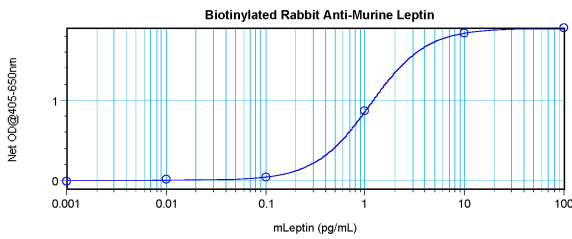
Function

May function as part of a signaling pathway that acts to regulate the size of the body fat depot. An increase in the level of LEP may act directly or indirectly on the CNS to inhibit food intake and/or regulate energy expenditure as part of a homeostatic mechanism to maintain constancy of the adipose mass. [UniProt]

Calculated Mw

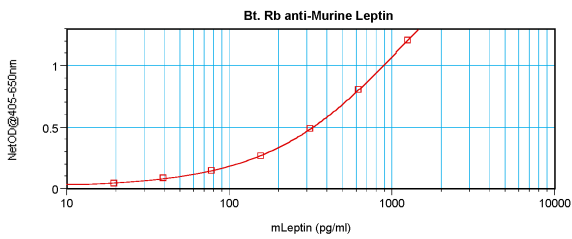
19 kDa

Images



ARG56809 anti-Leptin antibody (Biotin) standard curve image

Direct ELISA: ARG56809 anti-Leptin antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density.



ARG56809 anti-Leptin antibody (Biotin) standard curve image

Sandwich ELISA: ARG56809 anti-Leptin antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml combined with ARG56701 anti-Leptin antibody as a capture antibody. Results of a typical standard run with optical density.