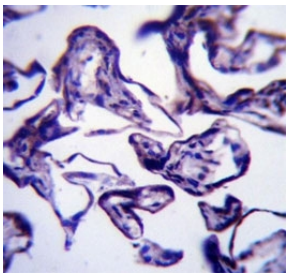
Leptin Antibody (F44957)

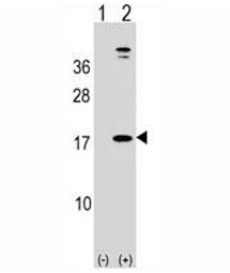
Catalog No.	Formulation	Size
F44957-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44957-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

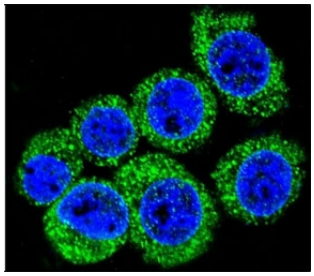
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P41159
Applications	Western blot: 1:1000 Immunofluorescence: 1:10-1:50 Immunohistochemistry (Paraffin): 1:10-1:50 Flow cytometry: 1:10-1:50
Limitations	This LEP antibody is available for research use only.



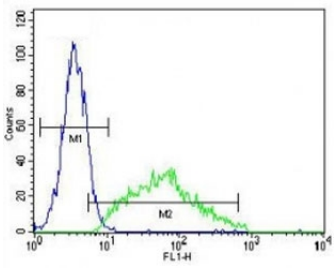
Leptin Antibody Placenta IHC. LEP antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue.



Western blot analysis of LEP antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (2) with the human gene. Predicted molecular weight ~16 kDa.



Leptin Antibody HeLa Cell IF. Confocal immunofluorescent analysis of LEP antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Leptin antibody flow cytometric analysis of HeLa cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

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].

For broader metabolic and endocrine signaling research, see our Leptin antibody product page targeting the LEP adipokine pathway.

Application Notes

Titration of the LEP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 8-37 from the human protein was used as the immunogen for this LEP antibody.

Storage

Aliquot the LEP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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