Datasheet for ABIN3031600

anti-Leptin antibody (AA 8-37)

6 Images

Go to Product page

Overview

Quantity:	0.4 mL
Target:	Leptin (LEP)
Binding Specificity:	AA 8-37
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Leptin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 8-37 from the human protein was used as the immunogen for this LEP antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse
Purification:	Antigen affinity purified

Target Details

Target:	Leptin (LEP)
Alternative Name:	Leptin (LEP Products)

Target Details

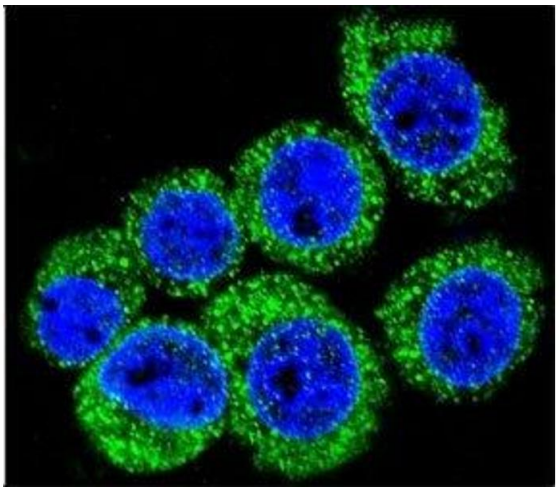
Background:	This gene encodes a protein that is secreted by white adipocytes, and which plays a major role in the regulation of body weight. This protein, which acts through the leptin receptor, functions as part of a signaling pathway that can inhibit food intake and/or regulate energy expenditure to 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].
UniProt:	P41159
Pathways:	JAK-STAT Signaling, AMPK Signaling, Hormone Transport, Peptide Hormone Metabolism, Hormone Activity, Negative Regulation of Hormone Secretion, Regulation of Carbohydrate Metabolic Process, Feeding Behaviour, Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Titration of the LEP antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:50,IHC (Paraffin): 1:10-1:50,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the LEP antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

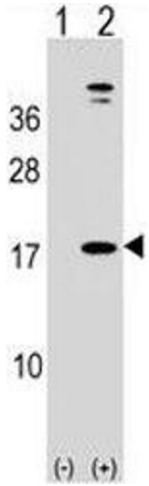


Immunofluorescence

Image 1. 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).

Immunohistochemistry

Image 2. LEP antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue.



Western Blotting

Image 3. 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.

Please check the product details page for more images. Overall 6 images are available for ABIN3031600.