

Anti-Leptin antibody ab16227

★★★★☆ [3 Abreviews](#) [27 References](#) [画像数 5](#)

製品の概要

製品名	Anti-Leptin antibody
製品の詳細	Rabbit polyclonal to Leptin
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB, IHC-P
種交差性	交差種: Mouse, Human, Recombinant fragment 交差が予測される動物種: Goat, Horse, Cow, Cat, Dog, Chimpanzee, Macaque monkey, Gorilla



免疫原	Synthetic peptide corresponding to Human Leptin aa 91-106. Sequence: SRNVIQISNDLENLRD
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Database link: [P41159](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

ポジティブ・コントロール	Human Serum
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特記事項

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.05% Sodium azide Constituent: PBS
精製度	Ammonium Sulphate Precipitation
ポリ/モノ	ポリクローナル

アプリケーション

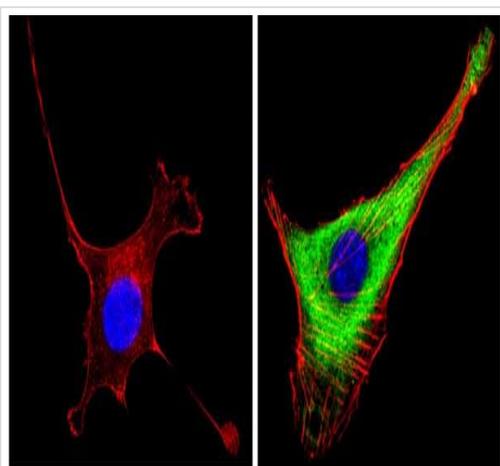
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab16227の使用に適用されます**
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		1/20 - 1/200.
WB	★★★★★ (1)	1/500 - 1/5000. Detects a band of approximately 16 kDa.
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.

ターゲット情報

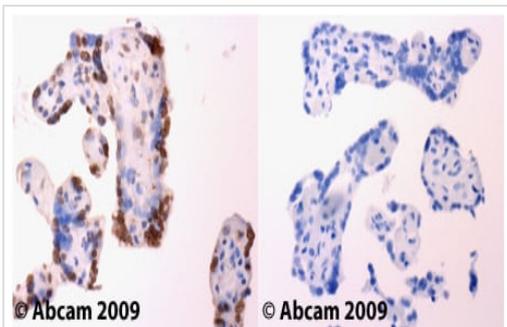
機能	May function as part of a signaling pathway that acts to regulate the size of the body fat depot. An increase in the level of LEP may act directly or indirectly on the CNS to inhibit food intake and/or regulate energy expenditure as part of a homeostatic mechanism to maintain constancy of the adipose mass.
関連疾患	Defects in LEP may be a cause of obesity (OBESITY) [MIM:601665]. It is a condition characterized by an increase of body weight beyond the limitation of skeletal and physical requirements, as the result of excessive accumulation of body fat.
配列類似性	Belongs to the leptin family.
細胞内局在	Secreted.

画像



Immunocytochemistry/Immunofluorescent analysis of Leptin (green) showing staining in the secretion of NIH-3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with ab16227 in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 100x.

Immunocytochemistry/ Immunofluorescence - Anti-Leptin antibody (ab16227)

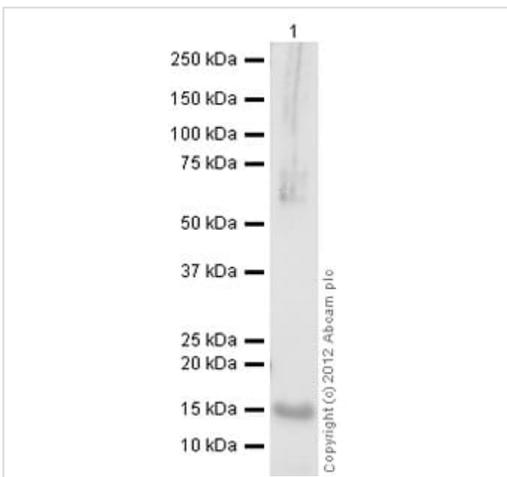


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Leptin antibody (ab16227)

Ab16227 staining human placenta.

Left panel: with primary antibody. Right panel: isotype control.

Sections were stained using an automated system DAKO Autostainer Plus , at room temperature. Sections were rehydrated and antigen retrieved with the Dako 3-in-1 antigen retrieval buffer citrate pH 6.0 in a DAKO PT Link. Slides were peroxidase blocked in 3% H₂O₂ in methanol for 10 minutes. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 minutes and detected with Dako Envision Flex amplification kit for 30 minutes. Colorimetric detection was completed with diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.



Western blot - Anti-Leptin antibody (ab16227)

Anti-Leptin antibody (ab16227) at 1/500 dilution + Recombinant Human Leptin protein ([ab51273](#)) at 1 µg

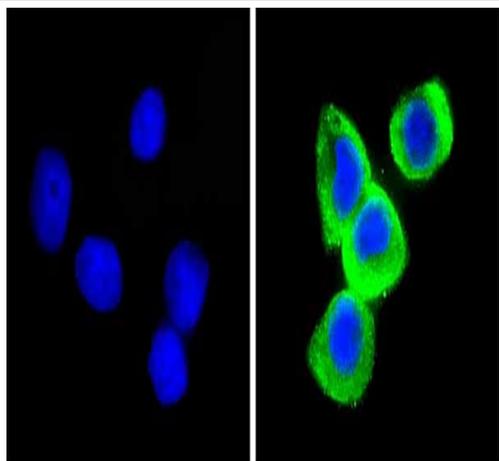
Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

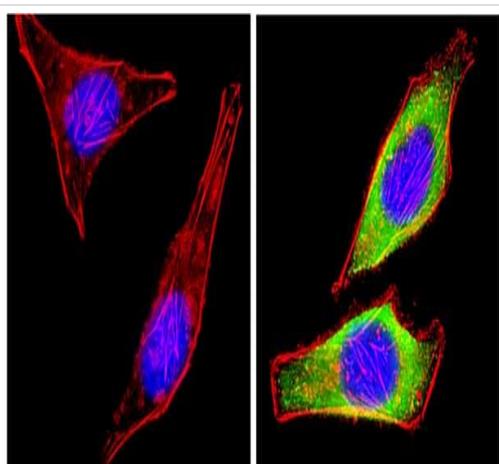
Performed under reducing conditions.

Exposure time: 3 minutes



Immunocytochemistry/ Immunofluorescence - Anti-Leptin antibody (ab16227)

Immunocytochemistry/Immunofluorescent analysis of Leptin (green) showing staining in the secretion of HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with ab16227 in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 100x.



Immunocytochemistry/ Immunofluorescence - Anti-Leptin antibody (ab16227)

Immunocytochemistry/Immunofluorescent analysis of Leptin (green) showing staining in the secretion of HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with ab16227 in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 100x.

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