


# Anti-Leptin Receptor antibody ab50424

[1 References](#) [2 图像](#)

### 概述

产品名称	Anti-Leptin Receptor抗体
描述	山羊多克隆抗体to Leptin Receptor
宿主	Goat
特异性	This antibody is expected to recognise all three reported isoforms (NP_002294.2; NP_001003679.1; NP_001003680.1) of Leptin Receptor.
经测试应用	<b>适用于:</b> IHC-P, Flow Cyt, WB
种属反应性	<b>与反应:</b> Mouse, Rat, Human <b>预测可用于:</b> Dog 
免疫原	Synthetic peptide corresponding to Human Leptin Receptor aa 829-841 (internal sequence). Sequence: C-TQDDIEKHQSDAG  Database link: <a href="#">P48357</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
阳性对照	WB: Human Cerebellum, Mouse Foetal Brain and Rat Brain lysate. Flow Cyt: K562 cells
常规说明	<p>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.</p> <p>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&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% Tris buffered saline, 0.5% BSA

纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	多克隆
同种型	IgG

## 应用

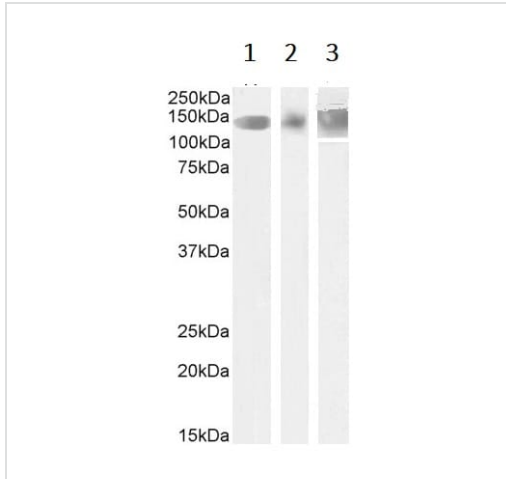
**The Abpromise guarantee**      **Abpromise™** 承诺保证使用 ab50424 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use a concentration of 4 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Flow Cyt		Use a concentration of 10 µg/ml.
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 150 kDa (predicted molecular weight: 132 kDa). 1 hour primary incubation is recommended for this product.

## 靶标

功能	Receptor for obesity factor (leptin). On ligand binding, mediates signaling through JAK2/STAT3. Involved in the regulation of fat metabolism and, in a hematopoietic pathway, required for normal lymphopoiesis. May play a role in reproduction. Can also mediate the ERK/FOS signaling pathway.
组织特异性	Isoform A is expressed in fetal liver and in hematopoietic tissues and choroid plexus. In adults highest expression in heart, liver, small intestine, prostate and ovary. Low level in lung and kidney. Isoform B is highly expressed in hypothalamus.
序列相似性	Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 4 fibronectin type-III domains. Contains 1 Ig-like (immunoglobulin-like) domain.
结构域	The cytoplasmic domain may be essential for intracellular signal transduction by activation of JAK tyrosine kinase and STATs. The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation.
翻译后修饰	On ligand binding, phosphorylated on two conserved C-terminal tyrosine residues (isoform B only) by JAK2. Tyr-986 is required for complete binding and activation of PTPN11, ERK/FOS activation and, for interaction with SOCS3 (By similarity). Phosphorylation on Tyr-1141 is required for STAT3 binding/activation.
细胞定位	Secreted and Cell membrane.



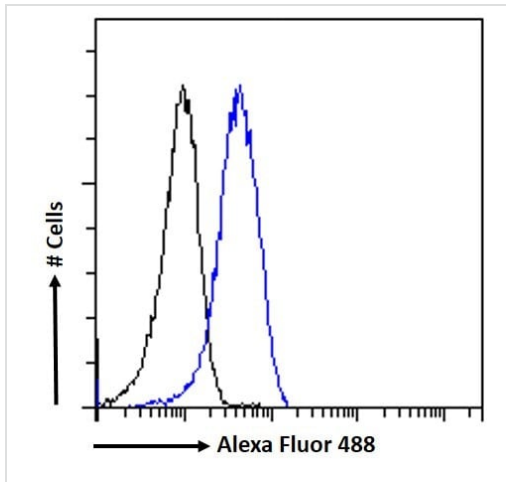
Western blot - Anti-Leptin Receptor antibody (ab50424)

**Lane 1 :** Anti-Leptin Receptor antibody (ab50424) at 1.75 µg/ml  
**Lanes 2-3 :** Anti-Leptin Receptor antibody (ab50424) at 1.5 µg/ml  
**Lane 1 :** Human Cerebellum tissue lysate  
**Lane 2 :** Mouse Foetal Brain tissue lysate  
**Lane 3 :** Rat Brain tissue lysate

Lysates/proteins at 35 µg per lane.

**Predicted band size:** 132 kDa

Lysate in RIPA buffer. Detected by chemiluminescence.



Flow Cytometry - Anti-Leptin Receptor antibody (ab50424)

Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10µg/mL) followed by Alexa Fluor 488 secondary antibody (1µg/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

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