



Anti-Leptin Receptor antibody ab5593

★★★★★ [6 Abreviews](#) [33 References](#) [1 图像](#)

概述

产品名称	Anti-Leptin Receptor抗体
描述	兔多克隆抗体to Leptin Receptor
宿主	Rabbit
经测试应用	适用于: IHC-Fr, WB, IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	<p>Synthetic peptide corresponding to Rat Leptin Receptor aa 577-594 (extracellular). Sequence:</p> <p>KEIQWKTHEVFDKSKSA</p> <p>(Peptide available as ab5837)</p> <div>  Run BLAST with  Run BLAST with </div>
阳性对照	WB: Mouse lung tissue extract.
常规说明	<p>As per Uniprot database (P48357) OB receptor has 5 isoforms and is highly glycosylated, this means the observed band size will be different than predicted and multiple bands are expected depending upon the isoforms expressed in sample types.</p> <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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>Preservative: 0.05% Sodium azide</p> <p>Constituent: 99% PBS</p>
纯度	Ammonium Sulphate Precipitation

纯化说明	No concentration is available.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab5593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-Fr	★☆☆☆☆ (1)	Use at an assay dependent concentration.
WB	★★★★☆ (4)	1/2000. Detects a band of approximately 100, 125 kDa.Can be blocked with Leptin Receptor peptide (ab5837) . ab5593 detects an ~100 kDa and ~125 kDa protein representing the short and long forms of OB-R.
IP		Use at an assay dependent concentration. PubMed: 21151569

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.

图片



Anti-Leptin Receptor antibody (ab5593) at 1/2000 dilution + Mouse lung tissue lysate

Western blot detection of both short and long forms of Leptin (OB-R).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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