

Product datasheet

Anti-Leptin Receptor antibody [LPR-01] ab2139

1 图像

概述

产品名称	Anti-Leptin Receptor抗体[LPR-01]
描述	小鼠单克隆抗体[LPR-01] to Leptin Receptor
宿主	Mouse
经测试应用	适用于: IHC-P, WB, ELISA
种属反应性	与反应: Human 不与反应: Mouse
免疫原	Fusion protein, corresponding to amino acids 1-839 of Human Leptin Receptor fused to the Fc region of human IgG (with HEGR added at the amino terminus and 6 histidine residues added at the carboxy terminus). Will detect all Leptin receptor isoforms
阳性对照	Human Leptin Receptor/FC chimera (This antigen migrated as a 190-220 protein in SDS-PAGE).

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: 7.20 Constituents: 0.6% Sodium chloride, PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	LPR-01
骨髓瘤	NS0
同种型	IgG1
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab2139** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-P		
WB		
ELISA		
应用说明	<p>ELISA: Use at an assay dependent dilution.</p> <p>IHC-P: 1/10 - 1/100.</p> <p>WB: Use at an assay dependent dilution. Predicted molecular weight: 132.4 kDa.</p> <p>The native leptin receptor is a homodimer held together with disulfide bonds. On a reducing SDS-PAGE, bands may appear as approximately 60 kDa subunits. Further variations in size is possible and is due to glycosylation.</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p>	
靶标		
功能	<p>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.</p>	
组织特异性	<p>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.</p>	
序列相似性	<p>Belongs to the type I cytokine receptor family. Type 2 subfamily.</p> <p>Contains 4 fibronectin type-III domains.</p> <p>Contains 1 Ig-like (immunoglobulin-like) domain.</p>	
结构域	<p>The cytoplasmic domain may be essential for intracellular signal transduction by activation of JAK tyrosine kinase and STATs.</p> <p>The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.</p> <p>The box 1 motif is required for JAK interaction and/or activation.</p>	
翻译后修饰	<p>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.</p>	
细胞定位	<p>Secreted and Cell membrane.</p>	

图片

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Leptin Receptor antibody [LPR-01] (ab2139)

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