

Anti-Leptin Receptor antibody ab5593

★★★★★ [6 Abreviews](#) [33 References](#) [画像数 1](#)

製品の概要

製品名	Anti-Leptin Receptor antibody
製品の詳細	Rabbit polyclonal to Leptin Receptor
由来種	Rabbit
アプリケーション	適用あり: IHC-Fr, WB, IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Rat Leptin Receptor aa 577-594 (extracellular). Sequence: KEIQWKTHEVFDAKSKSA (Peptide available as ab5837)
ポジティブ・コントロール	WB: Mouse lung tissue extract.
特記事項	<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>

 [Run BLAST with](#)

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製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.05% Sodium azide Constituent: 99% PBS
精製度	Ammonium Sulphate Precipitation

特記事項(精製)	No concentration is available.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

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ab5593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
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

ターゲット情報

機能	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.
組織特異性	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.
配列類似性	Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 4 fibronectin type-III domains. Contains 1 Ig-like (immunoglobulin-like) domain.
ドメイン	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.
翻訳後修飾	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.
細胞内局在	Secreted and Cell membrane.

画像



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).

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