



# Human LEPR blocking peptide (CDBP1741)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-Leptin Receptor antibody
<b>Antigen Description</b>	The protein encoded by this gene belongs to the gp130 family of cytokine receptors that are known to stimulate gene transcription via activation of cytosolic STAT proteins. This protein is a receptor for leptin (an adipocyte-specific hormone that regulates body weight), and is involved in the regulation of fat metabolism, as well as in a novel hematopoietic pathway that is required for normal lymphopoiesis. Mutations in this gene have been associated with obesity and pituitary dysfunction. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. It is noteworthy that this gene and LEPROT gene (GeneID:54741) share the same promoter and the first 2 exons, however, encode distinct proteins (PMID:9207021).[provided by RefSeq, Nov 2010]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">LEPR leptin receptor [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	LEPR

<b>Synonyms</b>	LEPR; leptin receptor; OBR; OB-R; CD295; LEP-R; LEPRD; huB219; OB receptor;
<b>Entrez Gene ID</b>	<a href="#">3953</a>
<b>mRNA Refseq</b>	<a href="#">NM_001003679.3</a>
<b>Protein Refseq</b>	<a href="#">NP_001003679.1</a>
<b>UniProt ID</b>	P48357
<b>Chromosome Location</b>	1p31
<b>Pathway</b>	AMPK signaling, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Leptin signaling pathway, organism-specific biosystem; Neuroactive ligand-receptor interaction, organis
<b>Function</b>	cytokine receptor activity; identical protein binding; protein binding; transmembrane signaling receptor activity;