



Human LEPR blocking peptide (CDBP1741)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Leptin Receptor antibody
Antigen Description	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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	LEPR leptin receptor [Homo sapiens (human)]
Official Symbol	LEPR

Synonyms	LEPR; leptin receptor; OBR; OB-R; CD295; LEP-R; LEPRD; huB219; OB receptor;
Entrez Gene ID	3953
mRNA Refseq	NM_001003679.3
Protein Refseq	NP_001003679.1
UniProt ID	P48357
Chromosome Location	1p31
Pathway	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
Function	cytokine receptor activity; identical protein binding; protein binding; transmembrane signaling receptor activity;
