



Anti-LEPR (aa 31-130) polyclonal antibody (DPAB-DC1838)

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

PRODUCT INFORMATION

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]
Immunogen	LEPR (NP_001003679, 31 a.a. ~ 130 a.a) partial recombinant protein with GST tag. The sequence is WRFKLSCMPPNSTYDYFLLPAGLSKNTSNSNGHYETAVEPKFNSSGTHFSNLSKTTFHCC FRSEQDRNCSLCADNIEGKTFVSTVNSLVFQQIDANWNIQ
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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
Protein Refseq	NP_001003679
UniProt ID	P48357
Chromosome Location	1p31
Pathway	AMPK signaling; Adipocytokine signaling pathway; Jak-STAT signaling pathway; Neuroactive ligand-receptor interaction
Function	cytokine receptor activity; identical protein binding; protein binding; transmembrane signaling receptor activity