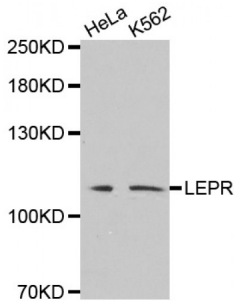abbexa ®

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DATASHEET

Leptin Receptor (LEPR) Antibody

Catalogue No.:abx002178

Western blot analysis of extracts of various cell lines, using LEPR antibody (abx002178) at 1/500 dilution.

LEPR Antibody is a Rabbit Polyclonal antibody against LEPR. 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).

Target:	LEPR
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB
Recommended dilutions:	WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	A synthetic peptide of human LEPR.
Purification:	Affinity purified.
Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Molecular Weight:	Calculated MW: 96 kDa/102 kDa/103 kDa/109 kDa/132 kDa
	Observed MW: 113 kDa
Swiss Prot:	**P48357**
GeneID:	**3953**
Gene Symbol:	LEPR
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.