



Leptin Antibody [RLEP 227]

CATALOG NUMBER: 36-017

Specifications

SPECIES REACTIVITY:	Rat
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ELISA: (direct or indirect: 1:5,000-1:10,000). Western blot: (1:2,000-1:10,000 using ECL). Optimal conditions should be determined individually for each application.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	Recognizes rat leptin. Detects a band of ~16kDa by Western blot. Does not cross-react with human or mouse leptin.
IMMUNOGEN:	Recombinant rat leptin.
HOST SPECIES:	Mouse

Properties

PHYSICAL STATE:	Liquid
BUFFER:	Liquid. 0.2um-filtered solution in PBS, pH 7.4. Contains no preservatives.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	Stable for at least 1 year after receipt when stored at -20°C.
CLONALITY:	Monoclonal
ISOTYPE:	IgG2a, kappa
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	OB Gene Product; Obese Factor
ACCESSION NO.:	P50596
PROTEIN GI NO.:	1709436
OFFICIAL SYMBOL:	Lep
GENE ID:	25608

Background

BACKGROUND:	Leptin is involved in the signaling pathway that regulates the size of the body fat depot. An increase in the level of leptin may act directly or indirectly on the CNS to inhibit food intake and/or regulate energy expenditure as part of a homeostatic mechanism to maintain constancy of the adipose mass. Defects in the leptin gene may be a cause of autosomal recessive obesity.
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