

Anti-Leptin Receptor/LEPR Antibody Fluoro488 Conjugated

Catalog Number: A00350-Fluoro488

About LEPR

Leptin receptor, also known as LEP-R or OB-R is a protein that in humans is encoded by the LEPR gene. 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.

Overview

Product Name	Anti-Leptin Receptor/LEPR Antibody Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P48357

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Leptin Receptor, different from the related mouse sequence by nine amino acids, and from the related rat sequence by eight amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: -, Immunohistochemical Localization of Leptin and Leptin-Receptor Proteins in Different Tissues of Chinese Alligator, Alligator sinensis. HuaBin Zhang, YaSen Li, Tao Pan, Peng Yan, En Li, Hui Xue, XiaoBing Wu
2. PubMed ID: 26529315, The Influence of LepR Tyrosine Site Mutations on Mouse Ovary Development and Related Gene Expression Changes

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