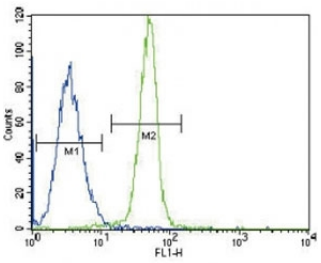
Leptin Receptor Antibody / LEPR / Ob-R (F49459)

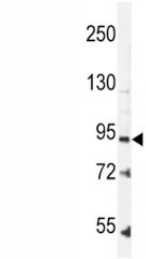
Catalog No.	Formulation	Size
F49459-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49459-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

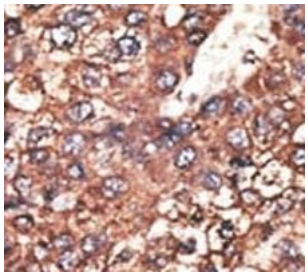
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P48357
Applications	Western Blot : 1:1000 Flow Cytometry : 1:10-1:50 IHC (Paraffin) : 1:50-1:100
Limitations	This Leptin Receptor antibody is available for research use only.



Leptin Receptor antibody flow cytometric analysis of K562 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Leptin Receptor antibody western blot analysis in K562 lysate.



IHC analysis of FFPE human hepatocarcinoma tissue stained with the Leptin Receptor antibody

Description

Leptin, an adipocyte-specific hormone, regulates adipose-tissue mass through hypothalamic effects on satiety and energy expenditure by acting through the leptin receptor (LEPR). LEPR is a single-transmembrane-domain receptor of the cytokine receptor family that is identical to the mouse diabetes (db) gene product. During weight loss, leptin levels decrease, whereas soluble LEPR levels and the receptor bound fraction of leptin increases. The presence of LEPR in the absorptive cells of the small intestine suggests that leptin may have a physiological role in the regulation of nutrient absorption.

Application Notes

Titration of the Leptin Receptor antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 23-52 from the human protein was used as the immunogen for this Leptin Receptor antibody.

Storage

Aliquot the Leptin Receptor antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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