



Datasheet for ABIN2559727

## anti-Leptin Receptor antibody (AA 901-1000) (PE)



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#### Overview

Quantity:	100 µL
Target:	Leptin Receptor (LEPR)
Binding Specificity:	AA 901-1000
Reactivity:	Human, Mouse, Rat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Leptin Receptor antibody is conjugated to PE
Application:	Western Blotting (WB), Flow Cytometry (FACS)

#### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Leptin receptor:901-1000/1165
Isotype:	IgG
Specificity:	This antibody will recognize the Isoform B variant only
Cross-Reactivity:	Human, Mouse, Pig, Rat
Predicted Reactivity:	Dog,Cow,Sheep
Purification:	Purified by Protein A.

#### Target Details

Target:	Leptin Receptor (LEPR)
Alternative Name:	Leptin receptor (Isoform B) ( <a href="#">LEPR Products</a> )

## Target Details

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Background: Synonyms: OBR, OB-R, CD295, LEP-R, LEPRD, Leptin receptor, HuB219, OB receptor, LEPR, DB, LEPR\_MOUSE  
Background: Receptor for obesity factor (leptin). On ligand binding, mediates signaling through JAK2/STAT3. Involved in the regulation of fat metabolism and, in a hematopoietic pathway, required for normal lymphopoiesis. May play a role in reproduction. Can also mediate the ERK/FOS signaling pathway (By similarity).

Gene ID: 3953

UniProt: [P48357](#)

Pathways: [JAK-STAT Signaling](#), [AMPK Signaling](#), [Feeding Behaviour](#)

## Application Details

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Application Notes: FCM 1:20-100

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

## Publications

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Product cited in: Goto, Kaneko, Sato, Otsuka, Yamamoto, Goto, Yamamoto, Yamamoto, Kawachi, Madaio, Narita: "Leptin deficiency down-regulates IL-23 production in glomerular podocytes resulting in an attenuated immune response in nephrotoxic serum nephritis." in: **International immunology**, Vol. 28, Issue 4, pp. 197-208, (2016) ([PubMed](#)).

