

Leptin Receptor Polyclonal Antibody

Product Details	
Size	100 µL
Species	Human, Mouse, Rat
Published Species	Rat, Mouse, Human
Expression System	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues K(577) E I Q W K T H E V F D A K S K S A(594) of the extracellular domain of rat OB-R.
Form	Liquid
Concentration	10 mg/mL
Purification	Ammonium sulfate precipitation
Storage buffer	PBS
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2296991

Applications	Tested Dilution	Publications
Western Blot (WB)	1:2,000	7 Publications
Immunohistochemistry (IHC)	-	2 Publications
Neutralization (Neu)	-	1 Publication

Product Specific Information

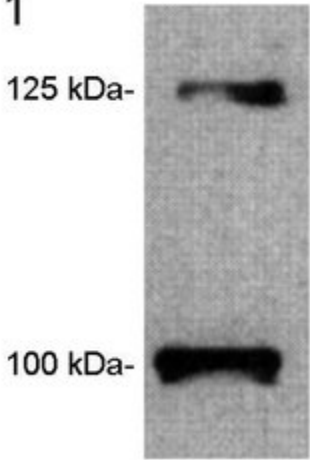
PA1-053 detects leptin (OB-R) from human, mouse, and rat tissues.

PA1-053 has been successfully used in Western blot procedures. By Western blot, this antibody detects an ~100 kDa and ~125 kDa protein representing the short and long forms of OB-R from mouse brain extract. This antibody also detects two smaller, unrelated proteins of ~31 kDa and 35 kDa which are unable to be competed with the peptide in mouse liver extract.

The PA1-053 immunogen is a synthetic peptide corresponding to residues K(577) E I Q W K T H E V F D A K S K S A(594) of the extracellular domain of rat OB-R. This sequence is completely conserved in mouse OB-R. PA1-053 immunizing peptide (Cat. # PEP-014) is available for use in neutralization and control experiments.

Product Images For Leptin Receptor Polyclonal Antibody

Fig. 1



Leptin Receptor Antibody (PA1-053) in WB

Western blot detection of both short and long forms of OB-R from mouse lung tissue extract using Product # PA1-053.

Western Blot (7)

Endocrinology

Renal Metabolic Programming Is Linked to the Dynamic Regulation of a Leptin-Klf15 Axis and Akt/AMPK Signaling in Male Offspring of Obese Dams.

"PA1-053 was used in Western Blotting to study the impact of maternal obesity on renal-intrinsic insulin and adipocytokine signalling and on renal function and structure."

Authors: Kasper P,Vohlen C,Dinger K,Mohr J,Hucklenbruch-Rother E,Janoschek R,Köth J,Matthes J,Appel S,Dötsch J,Alejandro Alcazar MA

Species
Mouse

Dilution
1:1000

Year
2017

Journal of Alzheimer's disease : JAD

Leptin reduces pathology and improves memory in a transgenic mouse model of Alzheimer's disease.

"PA1-053 was used in western blot to investigate the effect of leptin treatment on histopathology and memory capability in Alzheimer disease model"

Authors: Greco SJ,Bryan KJ,Sarkar S,Zhu X,Smith MA,Ashford JW,Johnston JM,Tezapsidis N,Casadesus G

Species
Mouse

Dilution
1:1000

Year
2010

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Immunohistochemistry (2)

Journal of neurochemistry

Dysregulation of leptin signaling in Alzheimer disease: evidence for neuronal leptin resistance.

"PA1-053 was used in immunohistochemistry to study the involvement of neuronal leptin resistance in Alzheimer's disease"

Authors: Bonda DJ,Stone JG,Torres SL,Siedlak SL,Perry G,Kryscio R,Jicha G,Casadesus G,Smith MA,Zhu X,Lee HG

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2014

Biology of reproduction

Expression of leptin and its receptor in the murine ovary: possible role in the regulation of oocyte maturation.

"PA1-053 was used in immunohistochemistry to investigate the distribution of leptin and its receptor in whole tissue sections of the mouse ovary as well as the corresponding effect on mouse oocyte maturation and changes in oocyte cAMP levels"

Authors: Ryan NK,Woodhouse CM,Van der Hoek KH,Gilchrist RB,Armstrong DT,Norman RJ

Species
Mouse

Dilution
1:100

Year
2002

More applications with references on thermofisher.com

Neu (1)

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