

# Product Datasheet

## Leptin R Antibody - BSA Free NB120-5593

Unit Size: 100uL

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 5

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**NB120-5593**

Leptin R Antibody - BSA Free

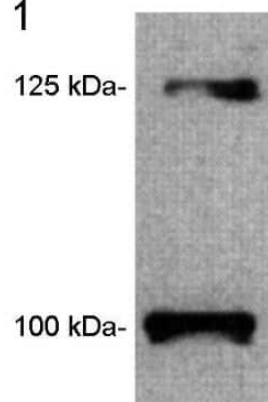
Product Information	
Unit Size	100uL
Concentration	10 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Ammonium sulfate precipitation
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit Leptin R Antibody - BSA Free (NB120-5593) is a polyclonal antibody validated for use in WB. Anti-Leptin R Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3953
Gene Symbol	LEPR
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 9421392). Rat reactivity reported in scientific literature (PMID: 12810558).
Specificity/Sensitivity	Leptin Receptor
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.

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:2000
Application Notes	WB: Detects bands of approx. 100 and 125 kDa, corresponding to the long and short forms (respectively) of leptin receptor OB-R from mouse brain extract. Two smaller bands of approx. 31 and 35 kDa are also detected, which cannot be competed out with immunogenic peptide.

**Images**

Western Blot: Leptin R Antibody [NB120-5593] - Analysis of both short and long forms of OB-R from mouse lung tissue extract.

**Fig. 1**

## Publications

Fang Z, Fan M, Yuan D et al. Downregulation of hepatic lncRNA Gm19619 improves gluconeogenesis and lipogenesis following vertical sleeve gastrectomy in mice *Communications Biology* 2023-01-27 [PMID: 36707678] (Western Blot, Mouse)

Drori A, Gammal A, Azar S et al. CB1R Regulates Soluble Leptin Receptor Levels via CHOP, Contributing to Hepatic Leptin Resistance *Elife* 2020-11-19 [PMID: 33210603]

R Yamada, S Odamaki, M Araki, T Watanabe, K Matsuo, K Uchida, T Kato, Y Ozaki-Masu, A Takenaka Dietary protein restriction increases hepatic leptin receptor mRNA and plasma soluble leptin receptor in male rodents *PLoS ONE*, 2019-07-15;14(7):e0219603. 2019-07-15 [PMID: 31306448] (WB, Mouse, Rat)

Lamming DW, Demirkan G, Boylan JM et al. Hepatic signaling by the mechanistic target of rapamycin complex 2 (mTORC2). *FASEB J.* 2013-09-27 [PMID: 24072782] (WB, Mouse)

Liu E, Samad F, Mueller BM. Local adipocytes enable estrogen-dependent breast cancer growth: Role of leptin and aromatase. *Adipocyte*. 2013-07-01 [PMID: 23991363] (WB, Mouse)





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### **Products Related to NB120-5593**

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NB820-59657	Mouse Brain Whole Tissue Lysate (Adult Whole Normal)
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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