

# Product Datasheet

## Leptin R Antibody NB100-40796

Unit Size: 0.1 mg

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

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**NB100-40796**

## Leptin R Antibody

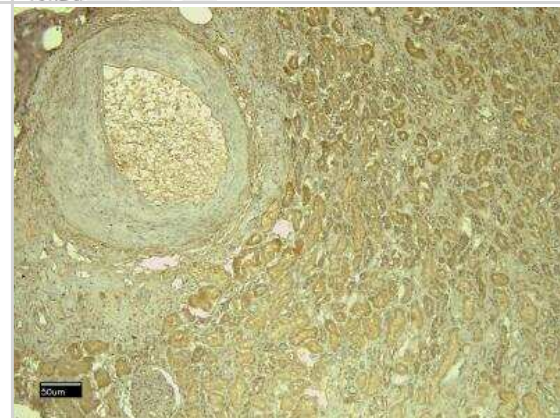
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Product Description	
Host	Goat
Gene ID	3953
Gene Symbol	LEPR
Species	Human, Mouse, Rat
Specificity/Sensitivity	This antibody is expected to recognise all three reported isoforms (NP_002294.2; NP_001003679.1; NP_001003680.1).
Immunogen	Peptide with sequence C-TQDDIEKHQSDAG corresponding to internal region according to NP_002294.2, NP_001003679.1, NP_001003680.1.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA, Control
Recommended Dilutions	Western Blot 1-2ug/ml, Flow Cytometry 10ug/ml, Immunohistochemistry 4-6ug/ml, Immunohistochemistry-Paraffin 4-6ug/ml, Peptide ELISA Detection limit 1:128000, Control
Application Notes	Western blot: Approx 140-150kDa band observed in Human Cerebellum, Mouse Foetal Brain and Rat Brain lysates (calculated MW of 132kDa according to Human NP_002294.2 and 130.8kDa according to Mouse NP_666258.2 and Rat NP_036728.1). This molecular weight is routinely observed by other sources. Primary incubation 1 hour at room temperature.

## Images

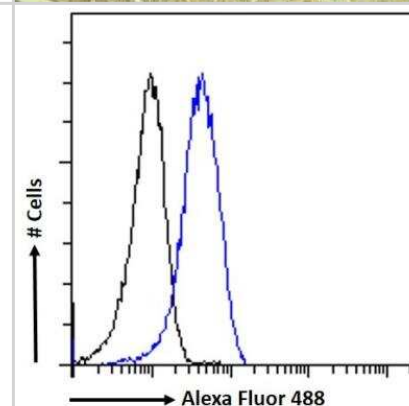
Western Blot: Leptin R Antibody [NB100-40796] - (1.75ug/ml) staining of Human Cerebellum (A), and (1.5ug/ml) Mouse Foetal Brain (B) and Rat Brain (C) lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



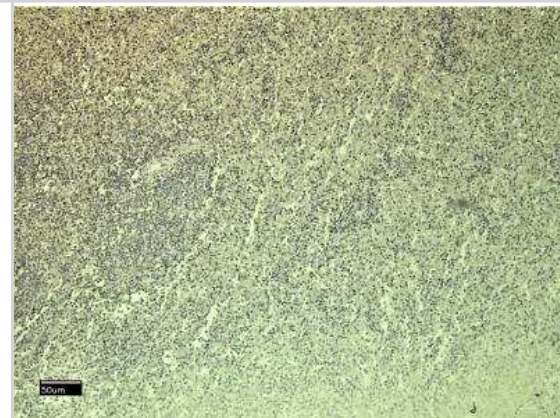
Immunohistochemistry: Leptin R Antibody [NB100-40796] - (6ug/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer Ph 6, HRP-staining.



Flow Cytometry: Leptin R Antibody [NB100-40796] - Analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Control: Leptin R Antibody [NB100-40796] - Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.



## Publications

Snoussi K, Strosberg AD, Bouaouina N et al. Leptin and leptin receptor polymorphisms are associated with increased risk and poor prognosis of breast carcinoma. BMC Cancer 2006-02-20 [PMID: 16504019]



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### **Products Related to NB100-40796**

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NBL1-12490	Leptin R Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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