

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 | |
|-------------------------|--|
| Description | Novus Biologicals Goat Leptin R Antibody (NB100-40796) is a polyclonal antibody validated for use in IHC, WB, ELISA and Flow. Anti-Leptin R Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| 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, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, 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. |

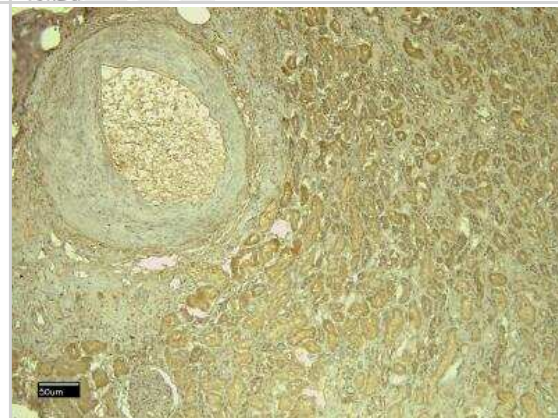


Images

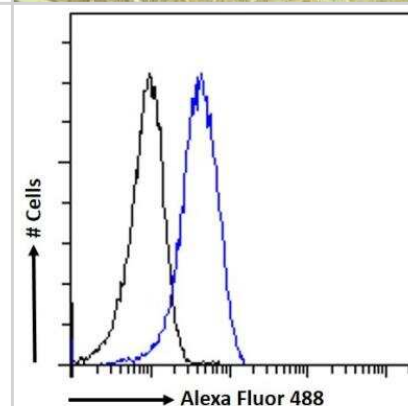
Western Blot: Leptin R Antibody [NB100-40796] - (1.75ug/ml) staining of Human Cerebellum (A), and (1.5ug/ml) Mouse Foetal Brain (B) and Rat Brain (C) lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



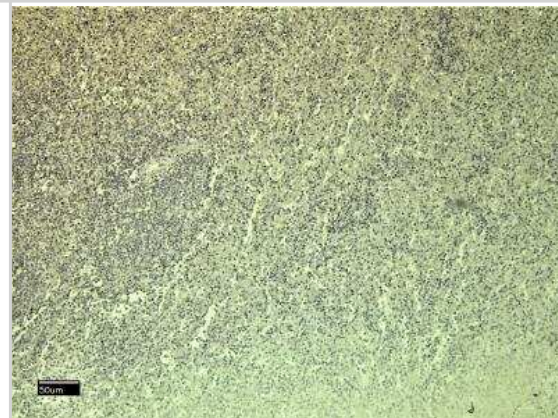
Immunohistochemistry: Leptin R Antibody [NB100-40796] - (6ug/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer Ph 6, HRP-staining.



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

Targa, G;Mottarlini, F;Rizzi, B;Taddini, S;Parolaro, S;Fumagalli, F;Caffino, L; Anorexia-Induced Hypoleptinemia Drives Adaptations in the JAK2/STAT3 Pathway in the Ventral and Dorsal Hippocampus of Female Rats Nutrients 2024-04-15 [PMID: 38674862]

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

| | |
|-----------------|--|
| NBL1-12490 | Leptin R Overexpression Lysate |
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| 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 |

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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