

Product Datasheet

UCP1 Antibody NB100-2828

Unit Size: 0.1 mg

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

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Publications: 7

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NB100-2828

UCP1 Antibody

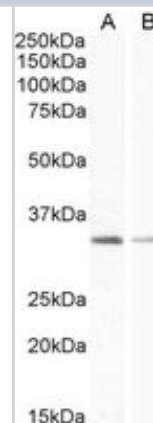
| Product Information | |
|---------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 0.5 mg/ml |
| Storage | Store at -20C. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG |
| Purity | Immunogen affinity purified |
| Buffer | Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA |

| Product Description | |
|---------------------|---|
| Description | Novus Biologicals Goat UCP1 Antibody (NB100-2828) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-UCP1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Goat |
| Gene ID | 7350 |
| Gene Symbol | UCP1 |
| Species | Human, Mouse, Rat |
| Reactivity Notes | Mouse reactivity reported in scientific literature (PMID: 22796012). |
| Immunogen | Peptide with sequence C-EQLKRELSKSRQ corresponding to C-Terminus according to NP_068605.1. |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Immunohistochemistry, Peptide ELISA |
| Recommended Dilutions | Western Blot 0.5 - 1 ug/mL, Immunohistochemistry, Peptide ELISA Detection limit 1:128000 |
| Application Notes | WB: Approx. 35 kDa band observed in human adipose lysates (calculated MW of 33.0 kDa band according to NP_068605.1). Use in IHC reported in scientific literature (PMID: 22796012). |

Images

Western Blot: UCP1 Antibody [NB100-2828] - (1 ug/mL) staining of Rat Adipose (A) and (0.5 ug/mL) Skeletal Muscle (B) lysate (35 ug protein in RIPA buffer). Detected by chemiluminescence.



Publications

Chen, Q;Yu, Y;Zhang, R;Zhao, Q;Yu, D;Feng, C;Zhou, J;Luo, M;Yang, M;Sun, S;Zhang, L;Jin, M; Commitment of adipose-resident c-kit⁺ progenitors to brown adipocytes contributes to adipose tissue homeostasis and remodeling Nature communications 2025-07-01 [PMID: 40593548]

Zhou H, Wang Z, Chen C et al. Effect of High-Intensity Interval Training on Fatty Infiltration After Delayed Rotator Cuff Repair in a Mouse Model Orthop J Sports Med 2023-05-19 [PMID: 37223073]

Zhou H, Chen C, Hu H et al. High-intensity interval training improves fatty infiltration in the rotator cuff through the β 3 adrenergic receptor in mice Bone & Joint Research 2023-08-01 [PMID: 37524338]

Olmsted-Davis E, Mejia J, Salisbury E Et al. A Population of M2 Macrophages Associated With Bone Formation Frontiers in immunology 2021-10-12 [PMID: 34712222] (IF/IHC, Mouse)

Ishigaki Y, Katagiri H, Yamada T et al. Dissipating excess energy stored in the liver is a potential treatment strategy for diabetes associated with obesity. Diabetes 2005-02-01 [PMID: 15677488]

Wu J, Boström P, Sparks LM et al. Beige adipocytes are a distinct type of thermogenic fat cell in mouse and human. Cell. 2012-07-20 [PMID: 22796012] (IF/IHC, Mouse)

Liu W, Singh R, Choi CS et al. LDL Receptor Related Protein 6 (LRP6) regulates body fat and glucose homeostasis by modulating nutrient sensing pathways and mitochondrial energy expenditure. The Journal of Biological Chemistry. 2012-01-01 [PMID: 22232553]





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Products Related to NB100-2828

| | |
|-----------------|--|
| NB820-59170 | Human Adipose Whole Tissue Lysate (Adult Whole Normal) |
| 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.

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