Product Datasheet

UCP1 Antibody

NB100-2828

Unit Size: 0.1 mg

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

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Publications: 6

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Updated 10/23/2024 v.20.1

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

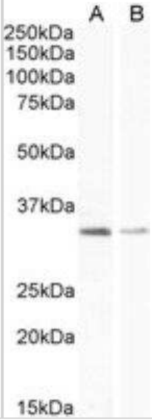
Host	Goat
Gene ID	7350
Gene Symbol	UCP1
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 22796012).
Immunogen	Peptide with sequence C-EQLKRELSKSRQ corresponding to C-Terminus according to NP_068605.1.

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

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 ?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, Bostr0m 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)
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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