

Product Datasheet

UCP1 Antibody NBP2-20796

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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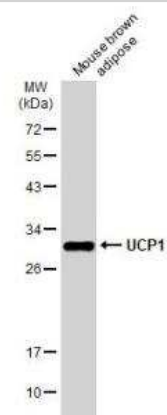
NBP2-20796

UCP1 Antibody

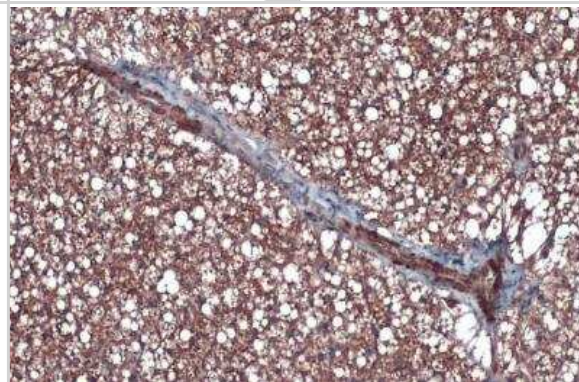
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol, 1% BSA
Target Molecular Weight	33 kDa
Product Description	
Host	Rabbit
Gene ID	7350
Gene Symbol	UCP1
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (80%), Rabbit (86%), Sheep (83%), Bovine (83%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human UCP1. The exact sequence is proprietary.
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Knockout Validated
Application Notes	Use in KO reported in scientific publication (PMID: 32713230).

Images

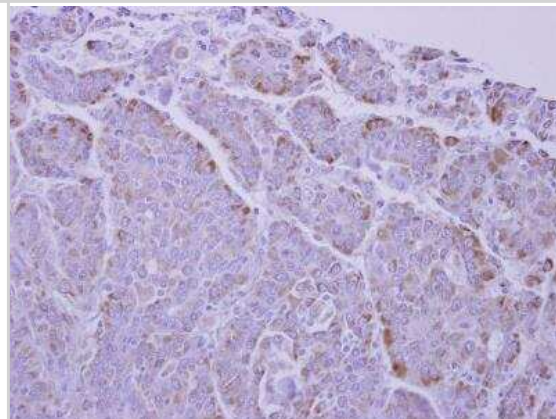
Western Blot: UCP1 Antibody [NBP2-20796] - Mouse tissue extract (50 ug) was separated by 12% SDS-PAGE, and the membrane was blotted with UCP1 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



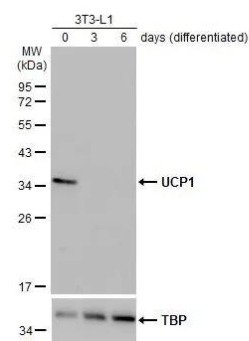
Immunohistochemistry-Paraffin: UCP1 Antibody [NBP2-20796] - Mouse brown adipocyte. UCP1 stained by UCP1 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry-Paraffin: UCP1 Antibody [NBP2-20796] - Human colon carcinoma, using UCP1 antibody at 1:250 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Western Blot: UCP1 Antibody [NBP2-20796] - Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with UCP1 antibody (NBP2-20796) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Publications

Petrosino JM, Longenecker JZ, Ramkumar S et al. Paracardial fat remodeling affects systemic metabolism through alcohol dehydrogenase 1 The Journal of clinical investigation 2021-02-15 [PMID: 33586683]

Anthony SR, Guarnieri A, Lanzillotta L et al. HuR expression in adipose tissue mediates energy expenditure and acute thermogenesis independent of UCP1 expression Adipocyte 2020-12-01 [PMID: 32713230] (WB, KO, Mouse)

Pilling D, Cox N, Thomson MA et al. Serum amyloid P and a DC-SIGN ligand inhibit high fat diet-induced adipose tissue and liver inflammation and steatosis in mice Am. J. Pathol. 2019-09-17 [PMID: 31539521] (Mouse)





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Products Related to NBP2-20796

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00007350-Q01-10ug	Recombinant Human UCP1 GST (N-Term) Protein

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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