For Research Use Only

UCP3 Polyclonal antibody

Catalog Number:10750-1-AP 19 Publications

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Basic Information

Catalog Number:
10750-1-AP

Size:
150ul , Concentration: 750 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1134

GenBank Accession Number:
BC008392

GeneID (NCBI):
7352

UNIPROT ID:
P55916

Full Name:
uncoupling protein 3 (mitochondrial, proton carrier)

Calculated MW:
34 kDa

Observed MW:
30-34 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:50-1:500
IF-P: 1:50-1:500

Applications

Tested Applications:
WB, IHC, IF-P, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse skeletal muscle tissue, SGC-7901 cells, rat skeletal muscle tissue

IHC : human skeletal muscle tissue, human colon cancer tissue

IF-P : mouse brain tissue,

Notable Publications

Author	Pubmed ID	Journal	Application
María Rodríguez-Hidalgo	30228311	Sci Rep	WB
Zimengwei Ye	36160420	Front Pharmacol	WB
Sijie Wang	36216077	Physiol Behav	WB

Storage

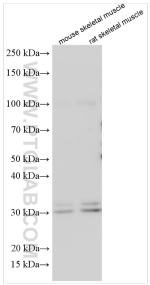
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

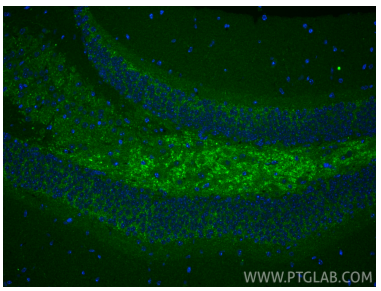
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

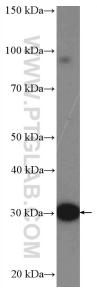
Selected Validation Data



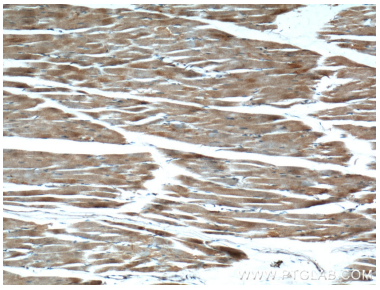
Various lysates were subjected to SDS PAGE followed by western blot with 10750-1-AP (UCP3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



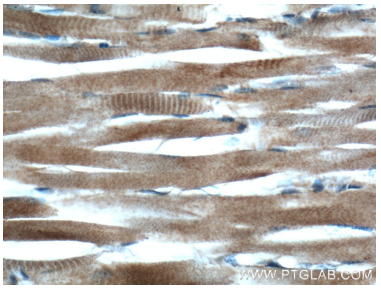
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using UCP3 antibody (10750-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 10750-1-AP (UCP3 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 10750-1-AP (UCP3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 10750-1-AP (UCP3 Antibody) at dilution of 1:200 (under 40x lens).