

For Research Use Only

UCP5 Polyclonal antibody

Catalog Number: 25223-1-AP



Basic Information

Catalog Number:

25223-1-AP

Size:

150ul , Concentration: 400 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18661

GenBank Accession Number:

BC119666

GeneID (NCBI):

9016

UNIPROT ID:

O95258

Full Name:

solute carrier family 25 (mitochondrial carrier, brain), member 14

Calculated MW:

325 aa, 36 kDa

Observed MW:

36-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : fetal human brain tissue, PC-3 cells

Background Information

UCP5, also known as BMCP1 (brain mitochondrial carrier protein-1), is a member of uncoupling proteins (UCPs) that catalyze proton leaks across the inner mitochondrial membrane, thus uncoupling fuel oxidation from ATP synthesis. UCPs are implicated in metabolic rate and adaptational thermoregulation. UCP5 is widely expressed with high abundance in brain and testis. Alternative splicing generates several isoforms of UCP5.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

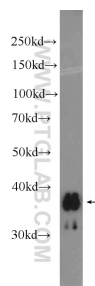
For technical support and original validation data for this product please contact:

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

Selected Validation Data



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 25223-1-AP (UCP5 antibody at dilution of 1:300 incubated at room temperature for 1.5 hours.