

For Research Use Only

UCP5 Polyclonal antibody

Catalog Number: 25223-1-AP



Basic Information

Catalog Number: 25223-1-AP	GenBank Accession Number: BC119666	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9016	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	Full Name: solute carrier family 25 (mitochondrial carrier, brain), member 14	
Isotype: IgG	Calculated MW: 325 aa, 36 kDa	
Immunogen Catalog Number: AG18661	Observed MW: 36-40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : fetal human brain tissue, PC-3 cells
Species Specificity: human	

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

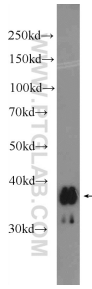
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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

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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.