

For Research Use Only

# UCP5 Polyclonal antibody

Catalog Number:25223-1-AP



## Basic Information

<b>Catalog Number:</b> 25223-1-AP	<b>GenBank Accession Number:</b> BC119666	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9016	<b>Recommended Dilutions:</b> WB 1:200-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95258	
<b>Isotype:</b> IgG	<b>Full Name:</b> solute carrier family 25 (mitochondrial carrier, brain), member 14	
<b>Immunogen Catalog Number:</b> AG18661	<b>Calculated MW:</b> 325 aa, 36 kDa	
	<b>Observed MW:</b> 36-40 kDa	

## Applications

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

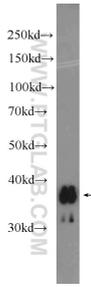
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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.