

For Research Use Only

# MCT4 Recombinant antibody, PBS Only

Catalog Number: 84797-4-PBS



## Basic Information

Catalog Number:

84797-4-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18788

GenBank Accession Number:

BC112269

GeneID (NCBI):

9123

UNIPROT ID:

O15427

Full Name:

solute carrier family 16, member 3  
(monocarboxylic acid transporter 4)

Calculated MW:

465 aa, 49 kDa

Observed MW:

38-42 kDa

Purification Method:

Protein A purification

CloneNo.:

242296E3

## Applications

Tested Applications:

WB, IF-P, Indirect ELISA

Species Specificity:

human

## Background Information

The monocarboxylate transporter 4 (MCT4, also known as SLC16A3) is involved in the transportation of metabolically important monocarboxylates such as lactate, pyruvate, acetate and ketone bodies. It is widely expressed, particularly strongly in glycolytic tissues such as white skeletal muscle fibres, astrocytes, white blood cells, chondrocytes and some mammalian cell lines. MCT4 is also linked to tumor biology because it mediates lactate transport across membranes resulting in antiapoptotic effects.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

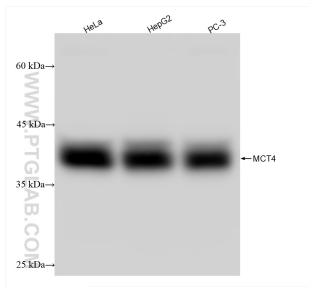
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

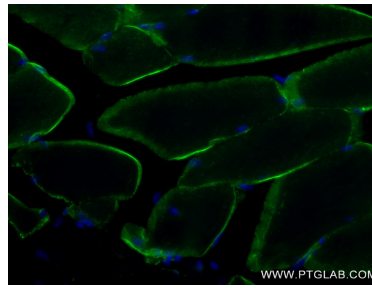
W: [ptgcn.com](http://ptgcn.com)

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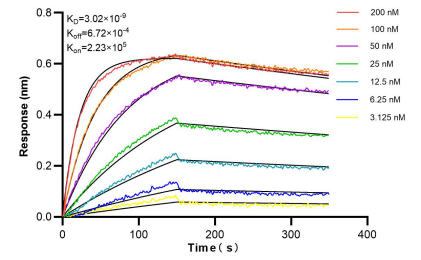
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84797-4-RR (MCT4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84797-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skeletal muscle tissue using MCT4 antibody (84797-4-RR, Clone: 242296E3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84797-4-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 84797-4-RR against Human MCT4 were performed. The affinity constant is 3.02 nM.