

# MCT4 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_001193879.1

Catalog No. A304-439A

GeneID 9123

Lot No. A304-439A-1



<b>APPLICATIONS</b>	WB, IP
<b>SPECIES REACTIVITY</b>	Human
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	1000 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to MCT4 immobilized on solid support.

The epitope recognized by A304-439A maps to a region between residue 400 to 450 of human Monocarboxylate Transporter 4 using the numbering given in entry NP\_001193879.1 (GeneID 9123).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

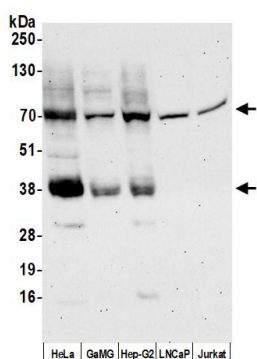
Western Blot 1:2,000 – 1:10,000

Immunoprecipitation 2 – 10 µg/mg lysate

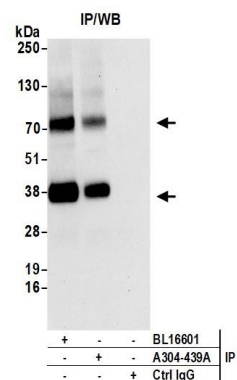
**ADDITIONAL INFO** <https://www.bethyl.com/product/A304-439A>

Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: [https://www.bethyl.com/content/protocol\\_IP\\_WB](https://www.bethyl.com/content/protocol_IP_WB)

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Eric McIntush, PhD | Chief Scientific Officer Date: April 15, 2020



**Detection of human MCT4 by western blot.** *Samples:* Whole cell lysate (50  $\mu$ g) from HeLa, GaMG, Hep-G2, LNCaP, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-MCT4 antibody A304-439A (lot A304-439A-1) used for WB at 0.1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 75 seconds.



**Detection of human MCT4 by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-MCT4 antibody A304-439A (lot A304-439A-1) used for IP at 6  $\mu$ g per reaction. MCT4 was also immunoprecipitated by rabbit anti-MCT4 antibody BL16601. For blotting immunoprecipitated MCT4, A304-439A was used at 0.1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.