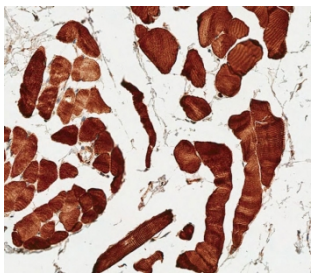
# MCT4 Antibody / SLC16A3 (F54278)

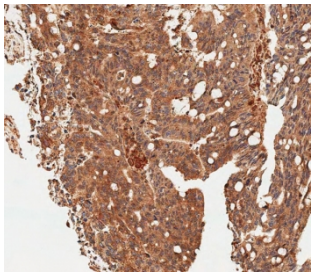
| Catalog No. | Formulation | Size |
|---|---|---|
| F54278-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F54278-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

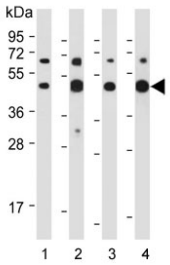
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity purified |
| **UniProt** | O15427 |
| **Applications** | Western blot: 1:500-1:2000<br>Immunohistochemistry (FFPE): 1:25 |
| **Limitations** | This MCT4 antibody is available for research use only. |



IHC testing of FFPE human skeletal muscle tissue with MCT4 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



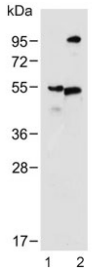
IHC testing of FFPE human colon carcinoma tissue with MCT4 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.




Western blot testing of human 1) NCI-H460, 2) HeLa, 3) HCT-116 and 4) mouse Neuro-2a cell lysate with MCT4 antibody. Predicted molecular weight ~50 kDa.




Western blot testing of 1) human skeletal muscle and 2) mouse C2C12 lysate with MCT4 antibody. Predicted molecular weight ~50 kDa.




Western blot testing of 1) human skeletal muscle and 2) rat skeletal muscle lysate with MCT4 antibody. Predicted molecular weight ~50 kDa.

## Description

Lactic acid and pyruvate transport across plasma membranes is catalyzed by members of the proton-linked monocarboxylate transporter (MCT) family, which has been designated solute carrier family-16. Each MCT appears to have slightly different substrate and inhibitor specificities and transport kinetics, which are related to the metabolic requirements of the tissues in which it is found.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the MCT4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 433-462 from the human protein were used as the immunogen for the MCT4 antibody.

## Storage

Aliquot the MCT4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.