



Anti-Mct1 (Monocarboxylate transporter 1) Polyclonal Antibody

Category: Polyclonal Antibody

Catalog #: AB2J043

Antigen Synonym: Slc16a1 (Solute carrier family 16 member 1)

Species Reactivity: Mouse, Rat

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of mouse Mct1 (Monocarboxylate transporter 1)

Description: Mct1 (Monocarboxylate transporter 1) functions as a Proton-linked monocarboxylate transporter. Mct1 (Monocarboxylate transporter 1) catalyzes the rapid transport across the plasma membrane of many monocarboxylates such as lactate, pyruvate, branched-chain oxo acids derived from leucine, valine and isoleucine, and the ketone bodies acetoacetate, beta-hydroxybutyrate and acetate. Mct1 (Monocarboxylate transporter 1) is a multi-pass membrane protein. Major isoform present in tumor cells, erythrocytes. Mct1 belongs to the major facilitator superfamily and Monocarboxylate porter (TC 2.A.1.13) family.

Reference:

Carpenter, L., et al, Biochim. Biophys. Acta 1279 (2), 157-163 (1996)
Koehler-Stec, E.M., et al, Am. J. Physiol. 275 (3 PT 1), E516-E524 (1998)
Collins, M.O., et al, J. Biol. Chem. 280 (7), 5972-5982 (2005)
Munton, R.P., et al, Mol. Cell Proteomics 6 (2), 283-293 (2007)
Lee, J., et al, Mol. Cell Proteomics 6 (4), 669-676 (2007)
Villen, J., et al, Proc. Natl. Acad. Sci. U.S.A. 104 (5), 1488-1493 (2007)
Zhou, H., et al, J. Proteome Res. 7 (9), 3957-3967 (2008)

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