

Datasheet for ABIN966547

anti-MCTS1 antibody (N-Term)[Go to Product page](#)**2** Publications

Overview

Quantity:	0.1 mg
Target:	MCTS1
Binding Specificity:	N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCTS1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

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

Target:	MCTS1
Alternative Name:	Mct1 (MCTS1 Products)
Background:	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

Target Details

protein. Major isoform present in tumor cells, erythrocytes. Mct1 belongs to the major facilitator superfamily and Monocarboxylate porter (TC 2.A.1.13) family.

Synonyms: Slc16a1 (Solute carrier family 16 member 1)

Application Details

Restrictions: For Research Use only

Handling

Storage: 4 °C

Publications

Product cited in: Koehler-Stec, Simpson, Vannucci, Landschulz, Landschulz: "Monocarboxylate transporter expression in mouse brain." in: **The American journal of physiology**, Vol. 275, Issue 3 Pt 1, pp. E516-24, (1998) ([PubMed](#)).

Carpenter, Poole, Halestrap: "Cloning and sequencing of the monocarboxylate transporter from mouse Ehrlich Lettré tumour cell confirms its identity as MCT1 and demonstrates that glycosylation is not required for MCT1 function." in: **Biochimica et biophysica acta**, Vol. 1279, Issue 2, pp. 157-63, (1996) ([PubMed](#)).