

## Product datasheet for **AP05304PU-N**

### MCT2 (SLC16A7) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot (1:400 starting dilution).
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from human MCT2 protein
Specificity:	This antibody detects Monocarboxylate Transport 2.
Formulation:	Phosphate buffered saline with 0.08% sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the product (in aliquots) at -20 °C. Can be shipped at 2 - 8 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	solute carrier family 16 member 7
Database Link:	<a href="#">Entrez Gene 9194 Human O60669</a>
Background:	Functions as a proton-linked monocarboxylate transporter and 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. MCT2 is a very high affinity pyruvate transporter. MCT2 is a cell membrane; Multi-pass membrane protein with high expression in testis, moderate to low expression in spleen, heart, kidney, pancreas, skeletal muscle, brain and leukocytes. The normal expression of MCT2 is restricted to low levels of expression in normal tissues, but is widely expressed in cancer cells.



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**Synonyms:** MCT2, MCT 2, Monocarboxylate transporter 2