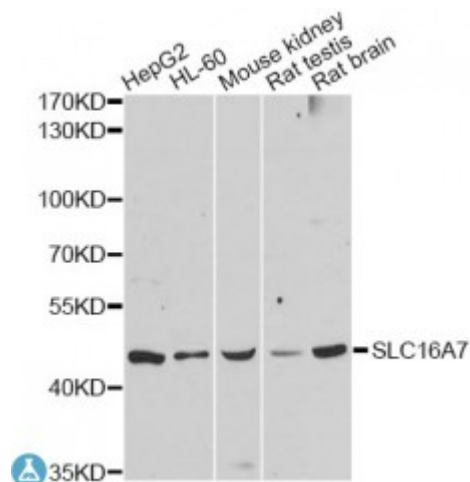


Anti-SLC16A7 Antibody



Description

This gene is a member of the monocarboxylate transporter family. Members in this family transport metabolites, such as lactate, pyruvate, and ketone bodies. The protein encoded by this gene catalyzes the proton-linked transport of monocarboxylates and has the highest affinity for pyruvate. This protein has been reported to be more highly expressed in prostate and colorectal cancer specimens when compared to control specimens. Alternative splicing results in multiple transcript variants.

Model	STJ114264
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 400 to the C-terminus of human SLC16A7 (NP_001257551.1).
Gene ID	9194
Gene Symbol	SLC16A7
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Detected in heart and in blood lymphocytes and monocytes (at protein level), High expression in testis, moderate to low in spleen, heart, kidney, pancreas, skeletal muscle, brain and Leukocyte, Restricted expression in normal tissues, but widely expressed in cancer cells
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Monocarboxylate transporter 2 MCT 2 Solute carrier family 16 member 7
Molecular Weight	52.2 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:10928 OMIM:603654 Reactome:R-HSA-433692
Alternative Names	Monocarboxylate transporter 2 MCT 2 Solute carrier family 16 member 7
Function	Proton-coupled monocarboxylate transporter, 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, Functions as high-affinity pyruvate transporter,
Cellular Localization	Cell membrane

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