

Basic Information

Product Name	Anti-MCT1/SLC16A1 Antibody	
Gene Name	SLC16A1	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.	
Immunogen	E.coli-derived human MCT1/SLC16A1 recombinant protein (Position: R116-V500).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	40 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-400
	Enzyme linked immunosorbent assay (ELISA):	1:100-1000
	(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

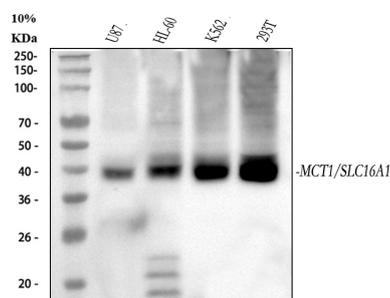
Storage

12 months from date of receipt, -20°C as supplied.

Background Information

Proton-linked 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.

Selected Validation Data



Western blot analysis of MCT1/SLC16A1 using anti-MCT1/SLC16A1 antibody (A02240-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human U87 whole cell lysates,

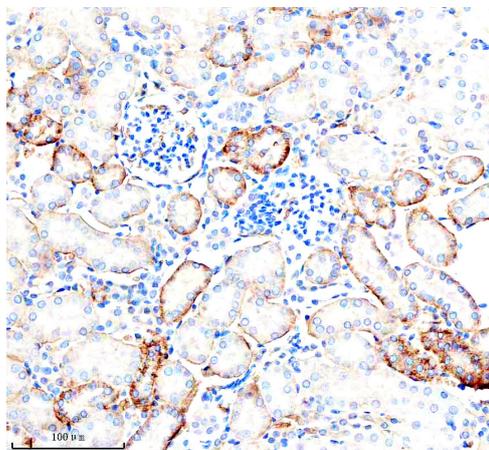
Lane 2: human HL-60 whole cell lysates,

Lane 3: human K562 whole cell lysates,

Lane 4: human 293T whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-MCT1/SLC16A1 antigen affinity purified polyclonal antibody (A02240-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for MCT1/SLC16A1 at approximately 40 kDa. The expected band size for MCT1/SLC16A1 is at 54 kDa.



IHC analysis of MCT1/SLC16A1 using anti-MCT1/SLC16A1 antibody (A02240-1).

MCT1/SLC16A1 was detected in a paraffin-embedded section of mouse kidney tissue. The tissue section was incubated with rabbit anti-MCT1/SLC16A1 Antibody (A02240-1) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.