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## anti-SLC16A4 antibody (N-Term)







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Overview		
Quantity:	100 μg	
Target:	SLC16A4	
Binding Specificity:	N-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This SLC16A4 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Immunogen:	An amino acid sequence from the N-terminus of human Monocarboxylate transporter 5	
	(VVTTKYFKKRLALST) was used as the immunogen for this MCT5 antibody.	
Isotype:	IgG	
Purification:	Antigen affinity	
Target Details		
Target:	SLC16A4	
Alternative Name:	MCT5 (SLC16A4 Products)	
Background:	Monocarboxylate transporter 5, also called Solute carrier family 16 member 4 or MCT5, is a protein that in humans is encodes by the SLC16A4 gene. This gene is mapped to 1p13.3. It acts	

as the proton-linked monocarboxylate transporter. This gene catalyzes the rapid transport

#### **Target Details**

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.

UniProt:

015374

#### **Application Details**

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The stated application concentrations are suggested starting amounts. Titration of the MCT5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot:  $0.5-1 \,\mu\text{g/mL,IHC}$  (Paraffin):  $0.5-1 \,\mu\text{g/mL}$ 

Restrictions:

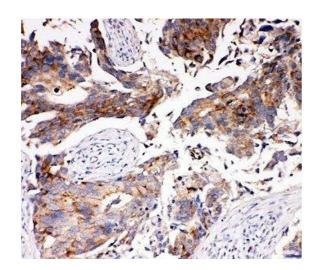
For Research Use only

#### Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment	After reconstitution, the MCT5 antibody can be stored for up to one month at 4°C. For long-

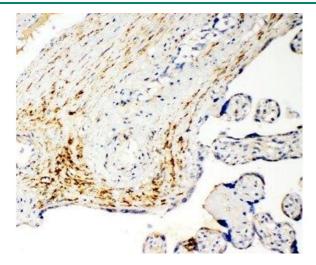
term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

### Images



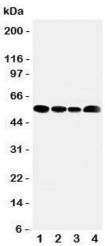
#### **Immunohistochemistry**

**Image 1.** IHC-P: MCT5 antibody testing of human breast cancer tissue



#### **Immunohistochemistry**

**Image 2.** IHC-P: MCT5 antibody testing of human placenta cancer tissue



#### **Western Blotting**

**Image 3.** Western blot testing of MCT5 antibody and Lane 1: rat testis; 2: human Jurkat; 3: (h) HeLa; 4: (h) MCF-7 cell lysate. Expected/observed size ~54KD

Please check the product details page for more images. Overall 5 images are available for ABIN3032674.