

## Product datasheet for **TA351675**

### SLC16A3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: HepG2 and LOVO cell lysates IHC: 50-100 Positive control: Human esophagus cancer Predicted cell location: Cell membrane
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human SLC16A3
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	49 kDa
Gene Name:	solute carrier family 16 member 3
Database Link:	<a href="#">NP_004198</a> <a href="#">Entrez Gene 80878 Rat</a> <a href="#">Entrez Gene 80879 Mouse</a> <a href="#">Entrez Gene 9123 Human</a> <a href="#">O15427</a>



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**Background:**

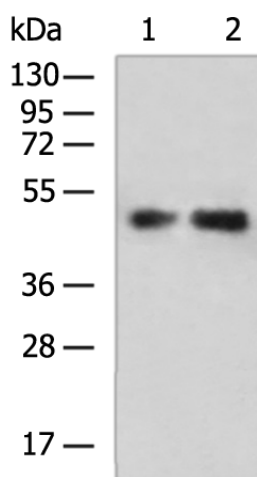
Lactic acid and pyruvate transport across plasma membranes is catalyzed by members of the proton-linked monocarboxylate transporter (MCT) family, which has been designated solute carrier family-16. Each MCT appears to have slightly different substrate and inhibitor specificities and transport kinetics, which are related to the metabolic requirements of the tissues in which it is found. The MCTs, which include MCT1 (SLC16A1; MIM 600682) and MCT2 (SLC16A7; MIM 603654), are characterized by 12 predicted transmembrane domains.

**Synonyms:**

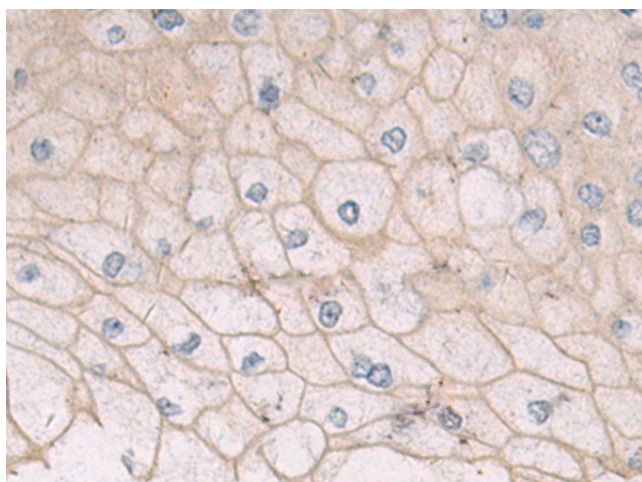
MCT-3; MCT-4; MCT 3; MCT3; MCT 4; MCT4

**Protein Families:**

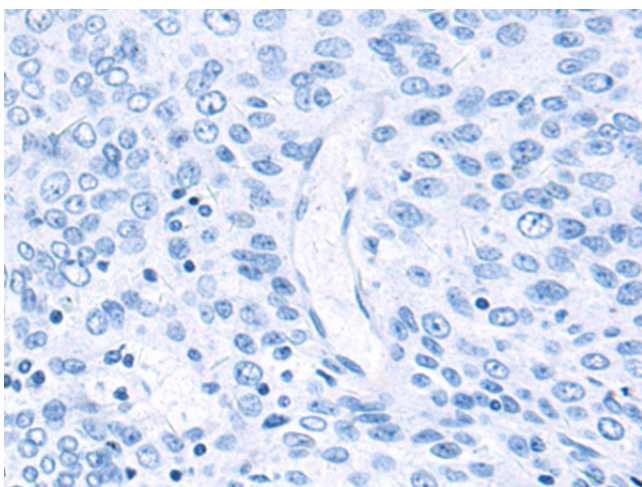
Transmembrane

**Product images:**


Gel: 8%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-2: HepG2 and LOVO cell lysates  
 Primary antibody: TA351675 (SLC16A3 Antibody) at dilution 1/700  
 Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
 Exposure time: 90 seconds



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA351675 (SLC16A3 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA351675 (SLC16A3 Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: ×200)