

# Product Datasheet

## MCT2 Antibody NB300-877

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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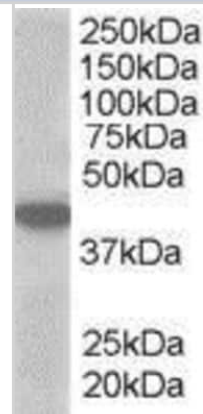
**NB300-877****MCT2 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	9194
<b>Gene Symbol</b>	SLC16A7
<b>Species</b>	Human
<b>Immunogen</b>	Peptide with sequence C-SNAQSVTSERETNI corresponding to C-Terminus according to NP_004722.2.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 1 - 3 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 2.5 ug/ml, Peptide ELISA Detection limit 1:128000
<b>Application Notes</b>	WB: Approx. 40-45 kDa band observed in A549, lung epithelial (lung carcinoma) lysates (calculated MW of 52.2 kDa band according to NP_004722).

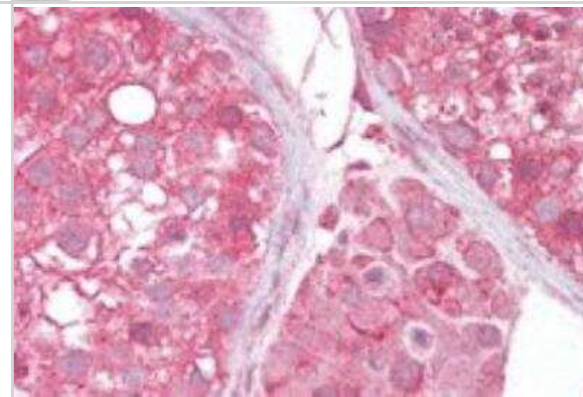


## Images

Western Blot: MCT2 Antibody [NB300-877] - (1ug/ml) staining of A549 lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry-Paraffin: MCT2 Antibody [NB300-877] - Staining of Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Rao Y, Gammon S, Zacharias NM et al. Hyperpolarized [1-<sup>13</sup>C]pyruvate-to-[1-<sup>13</sup>C]lactate conversion is rate-limited by monocarboxylate transporter-1 in the plasma membrane Proc. Natl. Acad. Sci. U.S.A. 2020-08-24 [PMID: 32839325] (WB, Human)

Lin RY, Vera JC, Chaganti RS, Golde DW. Human monocarboxylate transporter 2 (MCT2) is a high affinity pyruvate transporter. J Biol Chem 1998-10-30 [PMID: 9786900]



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### **Products Related to NB300-877**

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP1-87846PEP	MCT2 Recombinant Protein Antigen

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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