

# Product Datasheet

## MCT8/SLC16A2 Antibody NBP2-57308

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 5

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-57308](http://www.novusbio.com/NBP2-57308)

Updated 1/17/2023 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-57308](http://www.novusbio.com/reviews/destination/NBP2-57308)



**NBP2-57308****MCT8/SLC16A2 Antibody****Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

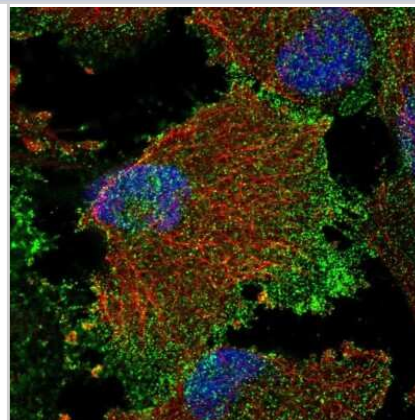
<b>Host</b>	Rabbit
<b>Gene ID</b>	6567
<b>Gene Symbol</b>	SLC16A2
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to the following amino acid sequence: LMHQRMFKEQQRDSSKDKMLAPDPDPNGELLPGSPNPEEPI

**Product Application Details**

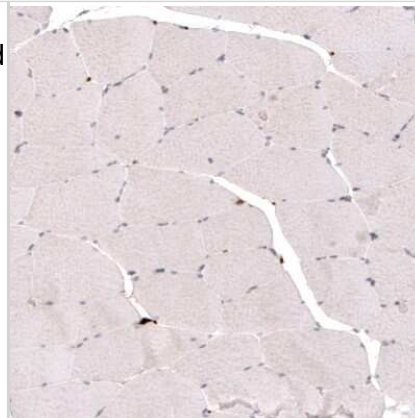
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. IHC-P Retrieval method: HIER pH6.

**Images**

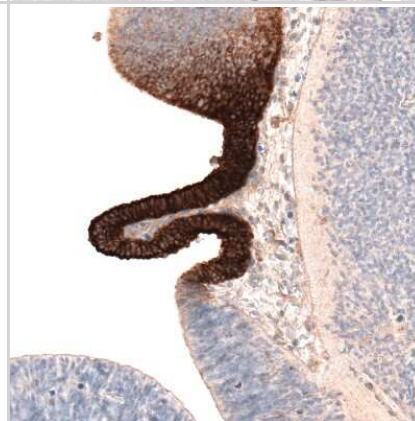
Immunocytochemistry/Immunofluorescence: MCT8/SLC16A2 Antibody [NBP2-57308] - Staining of human cell line U-251 MG shows localization to plasma membrane. Antibody staining is shown in green.



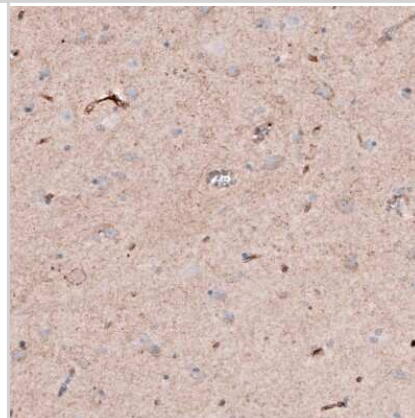
Immunohistochemistry-Paraffin: MCT8/SLC16A2 Antibody [NBP2-57308] - Staining of human skeletal muscle shows no positivity in striated muscle fibers as expected.



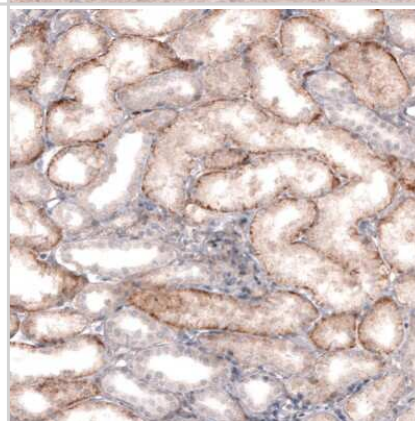
Immunohistochemistry-Paraffin: MCT8/SLC16A2 Antibody [NBP2-57308] - Staining of mouse embryo E11 shows strong membranous positivity in the developing circumventricular organ.



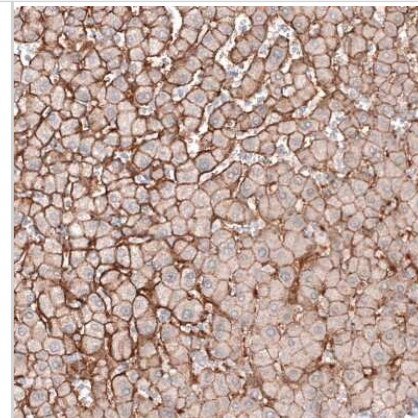
Immunohistochemistry-Paraffin: MCT8/SLC16A2 Antibody [NBP2-57308] - Staining of human cerebral cortex shows moderate positivity in neuropil.



Immunohistochemistry-Paraffin: MCT8/SLC16A2 Antibody [NBP2-57308] - Staining of human kidney shows moderate membranous positivity in cells in tubules.



Immunohistochemistry-Paraffin: MCT8/SLC16A2 Antibody [NBP2-57308] - Staining of human liver shows moderate to strong membranous positivity in hepatocytes.



## Publications

T Porst, J Johannes, H Gluschke, R Köhler, S Mehl, P Kühnen, K Renko, WB Minich, S Wiegand, L Schomburg Natural Autoimmunity to the Thyroid Hormone Monocarboxylate Transporters MCT8 and MCT10 Biomedicines, 2021-04-30;9(5):. 2021-04-30 [PMID: 33946552]

Wang Y, Wang T, Montero-Pedrazuela A et al. Thyroid Hormone Transporters MCT8 and OATP1C1 Are Expressed in Pyramidal Neurons and Interneurons in the Adult Motor Cortex of Human and Macaque Brain International journal of molecular sciences 2023-02-06 [PMID: 36834621]

Porst T Detection and physiological role of autoimmunity against thyroid hormone transporters Thesis 2022-01-01 (Human)

Graffunder AS, Paisdzior S, Opitz R Et al. Design and Characterization of a Fluorescent Reporter Enabling Live-cell Monitoring of MCT8 Expression Experimental and clinical endocrinology & diabetes : official journal, German Society of Endocrinology [and] German Diabetes Association 2021-08-05 [PMID: 34352913]

Wilpert NM, Krueger M, Opitz R et al. Spatiotemporal Changes of Cerebral Monocarboxylate Transporter 8 Expression Thyroid 2020-03-06 [PMID: 32143555] (IF/IHC, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-57308**

---

NBP2-57308PEP	MCT8/SLC16A2 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-57308](http://www.novusbio.com/reviews/submit/NBP2-57308)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

