

Anti-MCT8 Antibody
Catalog # AP53702**Specification**

Anti-MCT8 Antibody - Product Information

Application	WB
Primary Accession	P36021
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59511

Anti-MCT8 Antibody - Additional Information**Gene ID** 6567**Other Names**

MCT8; XPCT; Monocarboxylate transporter 8; MCT 8; Monocarboxylate transporter 7; MCT 7; Solute carrier family 16 member 2; X-linked PEST-containing transporter

Target/Specificity

Recognizes endogenous levels of MCT8 protein.

Dilution

WB~~1/500 - 1/1000

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-MCT8 Antibody - Protein Information**Name** SLC16A2**Function**

Specific thyroid hormone transmembrane transporter, that mediates both uptake and efflux of thyroid hormones across the cell membrane independently of pH or a Na(+) gradient. Major substrates are the iodothyronines T3 and T4 and to a lesser extent rT3 and 3,3- diiodothyronine (3,3'-T2) (PubMed:16887882, PubMed:18337592, PubMed:20628049, PubMed:23550058, PubMed:26426690, PubMed:27805744, PubMed:31436139)

target="_blank">31436139). Acts as an important mediator of thyroid hormone transport, especially T3, through the blood-brain barrier (Probable) (PubMed:28526555).

Cellular Location

Cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein

Tissue Location

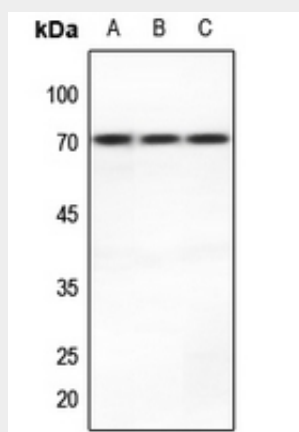
Highly expressed in liver and heart (PubMed:7981683). In adult brain tissue expression is largely confined to endothelial cells of the blood-brain barrier (at protein level) (PubMed:18687783, PubMed:32143555).

Anti-MCT8 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-MCT8 Antibody - Images



Western blot analysis of MCT8 expression in mouse liver (A), rat liver (B), rat kidney (C) whole cell lysates.

Anti-MCT8 Antibody - Background

Rabbit polyclonal antibody to MCT8