

# Product Data Sheet

## Anti-MCT4 Antibody

Catalog #	Source	Reactivity	Applications
CQA2237	Rabbit	H, M	WB, IH
<b>Description</b>	Rabbit polyclonal antibody to MCT4		
<b>Immunogen</b>	Recombinant full length protein of human MCT4		
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.		
<b>Specificity</b>	Recognizes endogenous levels of MCT4 protein.		
<b>Clonality</b>	Polyclonal		
<b>Conjugation</b>			
<b>Form</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
<b>Dilution</b>	WB (1/1000 - 1/2000), IH (1/50 - 1/200)		
<b>Gene Symbol</b>	SLC16A4		
<b>Alternative Names</b>	MCT4; MCT5; Monocarboxylate transporter 5; MCT 5; Monocarboxylate transporter 4; MCT 4; Solute carrier family 16 member 4		
<b>Entrez Gene</b>	9122 (Human); 229699 (Mouse)		
<b>SwissProt</b>	O15374 (Human); Q8R0M8 (Mouse)		
<b>Storage/Stability</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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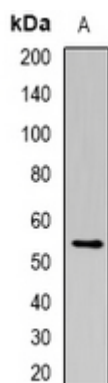
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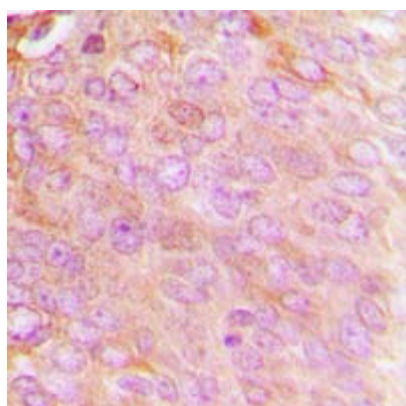
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## Product Data Sheet



Western blot analysis of MCT4 expression in mouse skeletal muscle (A) whole cell lysates.



Immunohistochemical analysis of MCT4 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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