

MCT2 Rabbit pAb

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Catalog # AP94707

Product Information

Application	WB
Reactivity	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse MCT2
Epitope Specificity	411-478/478
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Multi-pass membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Tissues with few or no mitochondria, such as erythrocytes and tumor cells, depend largely on glycolysis to generate ATP. The major end products of glycolysis, pyruvate and lactate, must be eliminated from these cells to enable continued glycolytic flux and prevent toxic effects. H ⁺ /monocarboxylate transporters (MCTs) mediate the transport of lactate and pyruvate. Human MCT2 has a high affinity for the transport of pyruvate (summary by Lin et al., 1998 [PubMed 9786900]).[supplied by OMIM, Feb 2011].

Additional Information

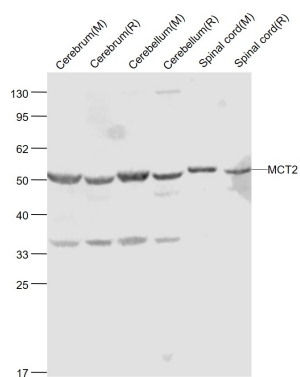
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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Images

Sample:
Cerebrum (Mouse) Lysate at 40 ug
Cerebrum (Rat) Lysate at 40 ug



Cerebellum (Mouse) Lysate at 40 ug
 Cerebellum (Rat) Lysate at 40 ug
 Spinal cord (Mouse) Lysate at 40 ug
 Spinal cord (Rat) Lysate at 40 ug
 Primary: Anti-MCT2 (AP94707) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 53 kD
 Observed band size: 50 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.