bs-22317R **[Primary Antibody]**

MCT2 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: MCT2

Immunogen: KLH conjugated synthetic peptide derived from mouse MCT2 : 411-478/478. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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].

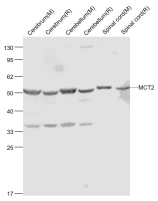
Applications: **WB** (1:500-2000)

Reactivity: Mouse, Rat

Predicted MW.: 52 kDa

Subcellular Location: Cell membrane

VALIDATION 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 (bs-22317R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53 kD Observed band size: 50 kD

SELECTED CITATIONS

- **[IF=5.702]** Li Gao. et al. Huangqin Decoction Exerts Beneficial Effects on Rotenone-Induced Rat Model of Parkinson's Disease by Improving Mitochondrial Dysfunction and Alleviating Metabolic Abnormality of Mitochondria. FRONT AGING NEUROSCI. 2022; 14: 911924 WB ;Rat. 35912075