MCT4 rabbit pAb

Cat#: orb765636 (Manual)

For research use only. Not intended for diagnostic use.

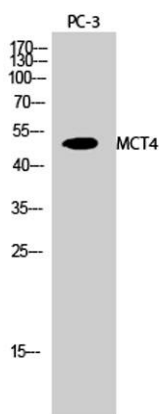|	
Product Name	MCT4 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MOT4. AA range:233-282
Specificity	MCT4 Polyclonal Antibody detects endogenous levels of MCT4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Monocarboxylate transporter 4
Gene Name	SLC16A3
Cellular localization	Cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Biorbyt Ltd
7 Signet Court, Swann Road, Cambridge, CB5 8LA. United Kingdom
Email: info@biorbyt.com | Phone: +44 (0)1223 859-353 | Fax: +44 (0)1223 280-240

Biorbyt LLC
68 TW Alexander Drive, Durham, NC 27709. United States
Email: info@biorbyt.com | Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

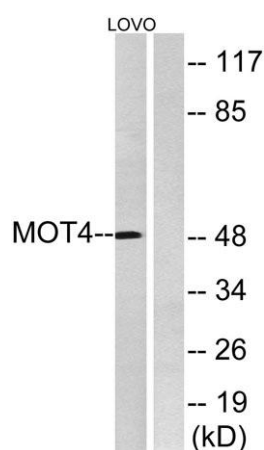|	
Concentration	1 mg/ml
Observed band	49kD
Human Gene ID	9123
Human Swiss-Prot Number	O15427
Alternative Names	SLC16A3; MCT4; Monocarboxylate transporter 4; MCT 4; Solute carrier family 16 member 3
Background	Lactic acid and pyruvate transport across plasma membranes is catalyzed by members of the proton-linked monocarboxylate transporter (MCT) family, which has been designated solute carrier family-16. Each MCT appears to have slightly different substrate and inhibitor specificities and transport kinetics, which are related to the metabolic requirements of the tissues in which it is found. The MCTs, which include MCT1 (SLC16A1; MIM 600682) and MCT2 (SLC16A7; MIM 603654), are characterized by 12 predicted transmembrane domains (Price et al., 1998 [PubMed 9425115]).[supplied by OMIM, Mar 2008],
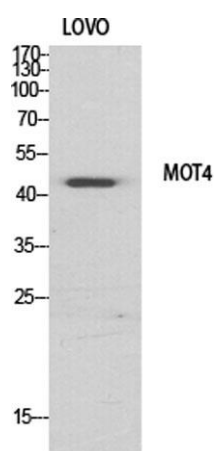
Western Blot analysis of various cells using MCT4 Polyclonal Antibody diluted at 1:500

Western Blot analysis of PC-3 cells using MCT4 Polyclonal Antibody diluted at 1:500

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Western blot analysis of lysates from LOVO cells, using MOT4 Antibody. The lane on the right is blocked with the synthesized peptide.