

Datasheet: AHP728

Description:	GOAT ANTI HUMAN MCT2
Specificity:	MCT2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/200 - 1/500

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species Human

Product Form Purified IgG - liquid

Antiserum Preparation Antisera to human MCT2 were raised by repeated immunisations of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution TRIS buffered saline

Preservative 0.02% Sodium Azide
Stabilisers 0.5% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 0.5 mg/ml

Immunogen Synthetic peptide SNAQSVTSERETNI derived from C terminus of human MCT2.

External Database Links

UniProt:

[O60669](#) [Related reagents](#)

Entrez Gene:

[9194](#) SLC16A7 [Related reagents](#)

Synonyms MCT2

RRID AB_2187234

Specificity **Goat anti Human MCT2 antibody** recognizes human monocarboxylate transporter 2, also known as MCT2 or Solute carrier family 16 member 7. MCT2 is a 478 amino acid ~52 kDa multi-pass transmembrane transporter molecule involved in the transport of pyruvate and lactate across cell membranes.

Northern blot analysis reveals expression of a larger transcript in most normal tissues compared to that which predominates in many cell lines ([Lin et al. 1998](#)) and this may be reflected in the slightly lower molecular weight band detected in lung carcinoma cell lysate by this antibody in western blots.

Western Blotting AHP728 detects bands of approximately 40 kDa and 60-70 kD in Raji cell lysates.

Further Reading 1. Lin, R.Y. *et al.* (1998) Human monocarboxylate transporter 2 (MCT2) is a high affinity pyruvate transporter. [J Biol Chem. 273 \(44\): 28959-65.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10058 available at: <https://www.bio-rad-antibodies.com/SDS/AHP728>
10058

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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To
find a

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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