

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
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. <i>et al.</i> (1998) Human monocarboxylate transporter 2 (MCT2) is a high affinity pyruvate transporter. J Biol Chem. 273 (44): 28959-65.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10058 available at: 10058: https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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Printed on 01 May 2018