abcam

Product datasheet

Anti-MCT1/Monocarboxylic acid transporter 1 antibody ab93048

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Overview

Product name	Anti-MCT1/Monocarboxylic acid transporter 1 antibody
Description	Rabbit polyclonal to MCT1/Monocarboxylic acid transporter 1
Host species	Rabbit
Tested applications	**Suitable for:** ELISA
Species reactivity	**Reacts with:** Mouse **Predicted to work with:** Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	Purity >90%
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab93048 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.

Target

Function	Proton-linked monocarboxylate transporter. Catalyzes the rapid transport across the plasma membrane of many monocarboxylates such as lactate, pyruvate, branched-chain oxo acids derived from leucine, valine and isoleucine, and the ketone bodies acetoacetate, beta-hydroxybutyrate and acetate.
Tissue specificity	Widely expressed in normal and in cancer cells.
Involvement in disease	Symptomatic deficiency in lactate transport Familial hyperinsulinemic hypoglycemia 7
Sequence similarities	Belongs to the major facilitator superfamily. Monocarboxylate porter (TC 2.A.1.13) family.
Cellular localization	Cell membrane.

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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