

Datasheet for ABIN731468
anti-MCTS1 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	MCTS1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCTS1 antibody is un-conjugated
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MCT1
Isotype:	IgG
Cross-Reactivity:	Chicken, Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified by Protein A.

Target Details

Target:	MCTS1
Alternative Name:	MCT1 (MCTS1 Products)
Background:	Synonyms: Monocarboxylate transporter 1, MCT 1, Solute carrier family 16 member 1,

Target Details

SLC16A1, MCT1

Background: Proton-coupled 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. Depending on the tissue and on circumstances, mediates the import or export of lactic acid and ketone bodies. Required for normal nutrient assimilation, increase of white adipose tissue and body weight gain when on a high-fat diet. Plays a role in cellular responses to a high-fat diet by modulating the cellular levels of lactate and pyruvate, small molecules that contribute to the regulation of central metabolic pathways and insulin secretion, with concomitant effects on plasma insulin levels and blood glucose homeostasis.

Molecular Weight: 55kDa

Gene ID: 6566

Application Details

Application Notes: IHC-P (1:100-500), FACS (1:50-200), IF (p) (1:100-500)

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

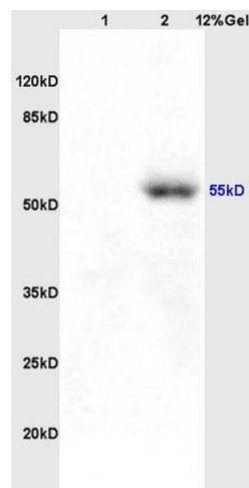
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

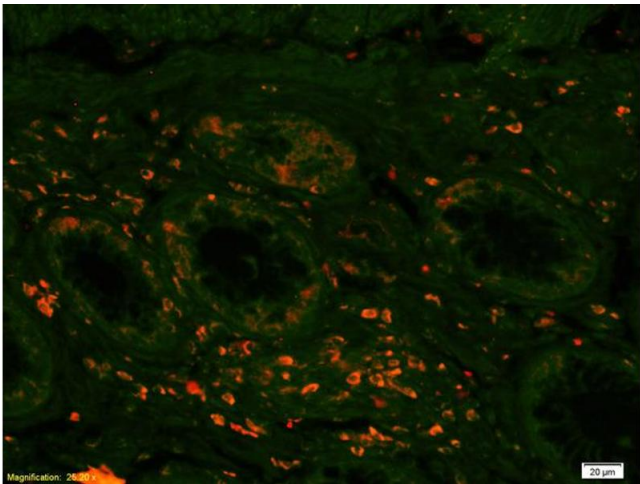
Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months



SDS-PAGE

Image 1. Lane 1: rat brain lysates Lane 2: human colon carcinoma lysates probed with Anti AVPR2 Polyclonal Antibody, Unconjugated (ABIN731468) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 55kD. Observed band size: 55kD.



Immunofluorescence

Image 2. Formalin-fixed and paraffin-embedded rat brain labeled with Anti-MCT1 Polyclonal Antibody, Unconjugated (ABIN731468) 1:200, overnight at 4 °C, The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37 °C.