Product datasheet

Anti-SLC16A4 Antibody

Catalog Number: *BA3245*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-SLC16A4 Antibody
Gene Name	SLC16A4
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human SLC16A4, different from the related rat and mouse sequences by two amino acids.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	54 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Monocarboxylate transporter 5, also called Solute carrier family 16 member 4 or MCT4, is a protein that in humans is encodes by the SLC16A4 gene. This gene is mapped to 1p13.3. It acts as the proton-linked monocarboxylate transporter. This gene 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.

Reference

Anti-SLC16A4 Antibody被引用在1文献中。

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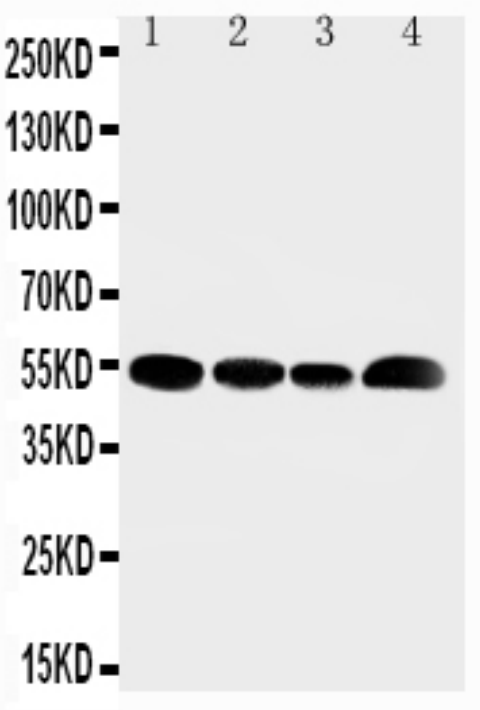
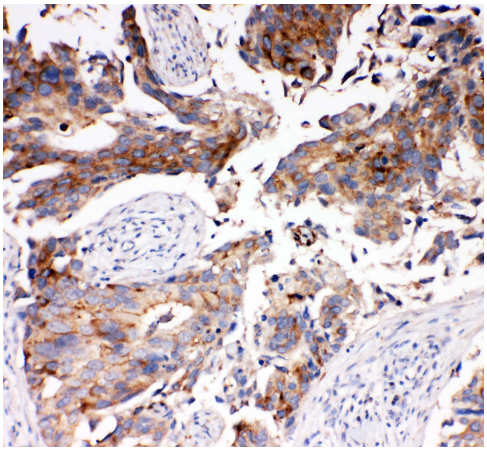
Selected Validation Data



Western blot analysis of SLC16A4 using anti-SLC16A4 antibody (BA3245). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: Rat Testis tissue lysates,
Lane 2: human JURKATwhole cell lysates,
Lane 3: human HELA whole cell lysates,
Lane 4: human MCF-7 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-SLC16A4 antigen affinity purified polyclonal antibody (BA3245) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for SLC16A4 at approximately 54 kDa. The expected band size for SLC16A4 is at 54 kDa.



IHC analysis of SLC16A4 using anti-SLC16A4 antibody (BA3245). SLC16A4 was detected in a paraffin-embedded section of human mammary cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-SLC16A4 Antibody (BA3245) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.