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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-GLUT3/SLC2A3 Antibody Picoband®

Catalog Number: A03259-2

About Slc2a3

Enables D-glucose transmembrane transporter activity and dehydroascorbic acid transmembrane transporter activity. Involved in D-glucose transmembrane transport and dehydroascorbic acid transport. Located in acrosomal membrane and plasma membrane. Is expressed in several structures, including alimentary system; branchial arch; central nervous system; early conceptus; and genitourinary system. Orthologous to several human genes including SLC2A3 (solute carrier family 2 member 3).

Overview

Product Name	Anti-GLUT3/SLC2A3 Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-GLUT3/SLC2A3 Antibody Picoband® catalog # A03259-2. Tested in WB, Flow Cytometry applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P32037

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse GLUT3/SLC2A3.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Mouse Flow Cytometry (Fixed), 1-3 ug/1x10^6 cells, Mouse

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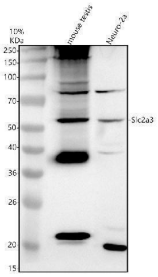
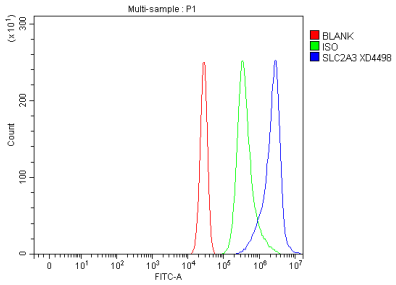
Anti-GLUT3/SLC2A3 Antibody Picoband® (A03259-2) Images



Western blot analysis of SLC2A3 using anti-SLC2A3 antibody (A03259-2). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: mouse testis tissue lysates, Lane 2: mouse Neuro-2a whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SLC2A3 antigen affinity purified polyclonal antibody (A03259-2) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for SLC2A3 at approximately 54 kDa. The expected band size for SLC2A3 is at 54 kDa.



Flow Cytometry analysis of Neuro-2a cells using anti-SLC2A3 antibody (A03259-2). Overlay histogram showing Neuro-2a cells stained with A03259-2 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-SLC2A3 Antibody (A03259-2, 1 ug/1x106 cells) for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

Anti-GLUT3/SLC2A3 Antibody

For Research Use Only. Not for use in diagnostic procedures.