

Anti-GLUT10/SLC2A10 Antibody Picoband™

Catalog Number: A06461-2

About SLC2A10

Solute carrier family 2, facilitated glucose transporter member 10 is a protein that in humans is encoded by the SLC2A10 gene. It is mapped to 20q13.12. This gene encodes a member of the class III facilitative glucose transporter family. The encoded protein plays a role in regulation of glucose homeostasis. Mutations in this gene have been associated with arterial tortuosity syndrome.

Overview

Product Name	Anti-GLUT10/SLC2A10 Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-GLUT10/SLC2A10 Antibody Picoband™ catalog # A06461-2. Tested in ELISA, WB applications. This antibody reacts with Human.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O95528

Technical Details

Immunogen	E.coli-derived human GLUT10/SLC2A10 recombinant protein (Position: A32-Q511).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Western blot, 0.25-0.5ug/ml, Human

Direct ELISA, 0.1-0.5ug/ml, Human

Anti-GLUT10/SLC2A10 Antibody Picoband™ (A06461-2) Images

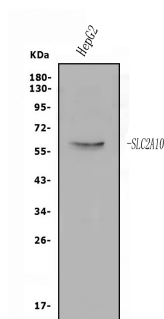


Figure 1. Western blot analysis of GLUT10/SLC2A10 using anti-GLUT10/SLC2A10 antibody (A06461-2). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30ug of sample under reducing conditions.

Lane 1: human HepG2 whole cell lysates.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-GLUT10/SLC2A10 antigen affinity purified polyclonal antibody (Catalog # A06461-2) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for GLUT10/SLC2A10 at approximately 67KD. The expected band size for GLUT10/SLC2A10 is at 54KD.

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