BOSTER BIOLOGICAL TECHNOLOGY
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Anti-SLC15A2 Antibody Picoband®

Catalog Number: A08564

About SLC15A2

The mammalian kidney expresses a proton-coupled peptide transporter that is responsible for the absorption of small peptides, as well as beta-lactam antibiotics and other peptide-like drugs, from the tubular filtrate. This transporter, SLC15A2, belongs to the same gene family as SLC15A1 (MIM 600544), the proton-coupled peptide transporter found in the small intestine (Liu et al, 1995 [PubMed 7756356]).

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Overview

Product Name	Anti-SLC15A2 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SLC15A2 Antibody Picoband® catalog # A08564. Tested in WB, ICC, IF, ELISA applications. This antibody reacts with Human, Mouse, Rat. 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	ELISA, IF, ICC, 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	Q16348

Technical Details

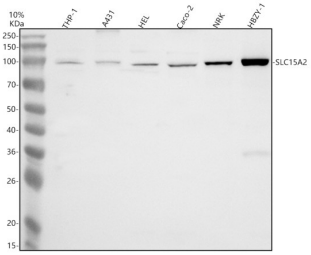
Immunogen	E.coli-derived human SLC15A2 recombinant protein (Position: M1-L729).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

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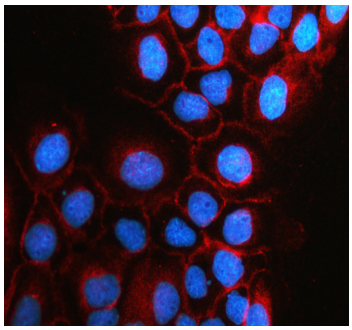
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human ELISA, 0.1-0.5 ug/ml

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Anti-SLC15A2 Antibody Picoband® (A08564) Images



Western blot analysis of SLC15A2 using anti-SLC15A2 antibody (A08564). 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: human THP-1 whole cell lysates, Lane 2: human A431 whole cell lysates, Lane 3: human HEL whole cell lysates, Lane 4: human Caco-2 whole cell lysates, Lane 5: rat NRK whole cell lysates, Lane 6: mouse HBZY-1 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-SLC15A2 antigen affinity purified polyclonal antibody (A08564) 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 SLC15A2 at approximately 100 kDa. The expected band size for SLC15A2 is at 82 kDa.



IF analysis of SLC15A2 using anti-SLC15A2 antibody (A08564). SLC15A2 was detected in an immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-SLC15A2 Antibody (A08564) overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

Anti-SLC15A2 Antibody

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