

## Anti-SLC26A8 Antibody Picoband®

Catalog Number: A08288-1

### About SLC26A8

Predicted to enable chloride transmembrane transporter activity and organic anion transmembrane transporter activity. Predicted to be involved in chloride transmembrane transport; oxalate transport; and sulfate transmembrane transport. Predicted to be located in sperm annulus. Predicted to be active in plasma membrane. Is expressed in embryo. Human ortholog(s) of this gene implicated in spermatogenic failure 3. Orthologous to human SLC26A8 (solute carrier family 26 member 8).

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### Overview

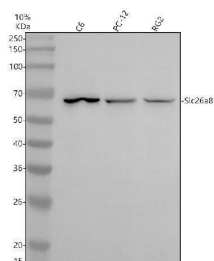
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-SLC26A8 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reactive Species     | Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Description          | Boster Bio Anti-SLC26A8 Antibody Picoband® catalog # A08288-1. Tested in WB, ICC, IF, Flow Cytometry applications. This antibody reacts with 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          | Flow Cytometry, IF, ICC, WB                                                                                                                                                                                                                                                                                                                                                                                                                |
| Clonality            | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Formulation          | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                                                                                                                                                                                                                                                  |
| 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           | Q8R0C3                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### Technical Details

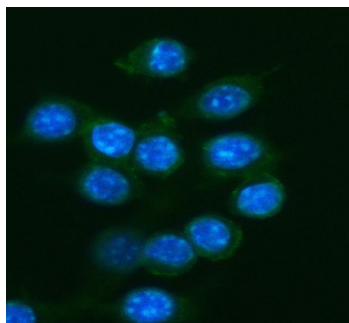
|           |                                                                                        |
|-----------|----------------------------------------------------------------------------------------|
| Immunogen | A synthetic peptide corresponding to a sequence in the middle region of human SLC26A8. |
| 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, Rat<br>Immunocytochemistry/Immunofluorescence, 5 ug/ml, Mouse<br>Flow Cytometry (Fixed), 1-3 ug/1x10 <sup>6</sup> cells, Mouse<br><br>Note: For flow cytometry (FCM), validated for fixed cells only. Not validated for FACS or surface flow cytometry using live cells. |

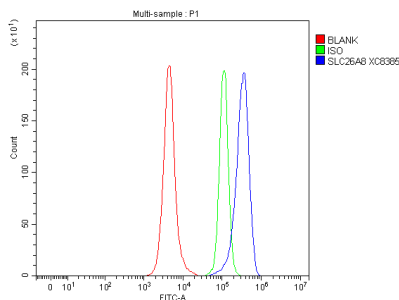
## Anti-SLC26A8 Antibody Picoband® (A08288-1) Images



Western blot analysis of SLC26A8 using anti-SLC26A8 antibody (A08288-1). 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: rat C6 whole cell lysates, Lane 2: rat PC-12 whole cell lysates, Lane 3: rat RG2 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-SLC26A8 antigen affinity purified polyclonal antibody (A08288-1) 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 SLC26A8 at approximately 70 kDa. The expected band size for SLC26A8 is at 109 kDa.



IF analysis of SLC26A8 using anti-SLC26A8 antibody (A08288-1). SLC26A8 was detected in an immunocytochemical section of Raw264.7 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-SLC26A8 Antibody (A08288-1) overnight at 4°C. Fluoro488 Conjugated Goat Anti-Rabbit IgG (BA1127) 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.



Flow Cytometry analysis of RAW264.7 cells using anti-SLC26A8 antibody (A08288-1). Overlay histogram showing RAW264.7 cells stained with A08288-1 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-SLC26A8 Antibody (A08288-1, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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