

## Rabbit anti-Human OAT1/SLC22A6 Polyclonal Antibody | anti-OAT1/SLC22A6 antibody

Anti-OAT1/SLC22A6 Antibody Picoband

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                          |
|-----------|--------|------------|-------------------------------------------------------|
| AAA127119 | Rabbit | Human      | Western Blot, Flow Cytometry, Functional Assay, ELISA |

### PRODUCT SYNONYMS

OAT1/SLC22A6; Polyclonal Antibody; Anti-OAT1/SLC22A6 Antibody Picoband; anti-OAT1/SLC22A6 antibody

### PRODUCT SPECIFICATIONS

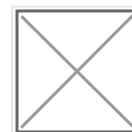
|                                                        |                                                                                                                                                                                                                       |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | Rabbit                                                                                                                                                                                                                |
| Reactivity                                             | Human                                                                                                                                                                                                                 |
| Clonality                                              | Polyclonal                                                                                                                                                                                                            |
| Form/Format                                            | Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                |
| Applicable Applications for anti-OAT1/SLC22A6 antibody | WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA                                                                                                                                                                   |
| Immunogen                                              | E coli-derived human OAT1/SLC22A6 recombinant protein (Position: R286-L563). Human SLC22A6 shares 82% and 83.8% amino acid (aa) sequence identity with mouse and rat SLC22A6, respectively.                           |
| Preparation and Storage                                | At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing. |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of THP-1 cells using anti-OAT1/SLC22A6 antibody (AAA127119). Overlay histogram showing THP-1 cells stained with AAA127119 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-OAT1/SLC22A6 Antibody (AAA127119, 1ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. Dylight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/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.



#### WB (Western Blot)

Figure 1. Western blot analysis of OAT1/SLC22A6 using anti-OAT1/SLC22A6 antibody (AAA127119). 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 30 ug of sample under reducing conditions. Lane 1: human placenta tissue 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-OAT1/SLC22A6 antigen affinity purified polyclonal antibody (#AAA127119) at 0.5ug/mL overnight at 4 degree 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 with Tanon 5200 system. A specific band was detected for OAT1/SLC22A6 at approximately 70 kDa. The expected band size for OAT1/SLC22A6 is at 62 kDa.

### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-OAT1/SLC22A6 antibody | 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. |
| Product Categories/Family for anti-OAT1/SLC22A6 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | <p>1. Bahn, A., Prawitt, D., Buttler, D., Reid, G., Enklaar, T., Wolff, N. A., Ebbinghaus, C., Hillemann, A., Schulten, H.-J., Gunawan, B., Fuzesi, L., Zabel, B., Burckhardt, G. Genomic structure and in vivo expression of the human organic anion transporter 1 (hOAT1) gene. <i>Biochem. Biophys. Res. Commun.</i> 275: 623-630, 2000.2. Lu, R., Chan, B. S., Schuster, V. L. Cloning of the human kidney PAH transporter: narrow substrate specificity and regulation by protein kinase C. <i>Am. J. Physiol.</i> 276: F295-F303, 1999.3. Race, J. E., Grassl, S. M., Williams, W. J., Holtzman, E. J. Molecular cloning and characterization of two novel human renal organic anion transporters (hOAT1 and hOAT3). <i>Biochem. Biophys. Res. Commun.</i> 255: 508-514, 1999.</p> |
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### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 74762955                                                                                                                                                           |
| NCBI GeneID                      | 9356                                                                                                                                                               |
| UniProt Accession #              | Q4U2R8; O95187; O95742; Q7LDA0; Q8N192; Q9NQA6; Q9NQC2; Q9UBG6; Q9UEQ8; A8MY93; B2D0R6                                                                             |
| Molecular Weight                 | 563                                                                                                                                                                |
| NCBI Official Full Name          | Solute carrier family 22 member 6                                                                                                                                  |
| NCBI Official Synonym Full Names | solute carrier family 22 (organic anion transporter), member 6                                                                                                     |
| NCBI Official Symbol             | SLC22A6                                                                                                                                                            |
| NCBI Official Synonym Symbols    | OAT1; PAHT; HOAT1; ROAT1                                                                                                                                           |
| NCBI Protein Information         | solute carrier family 22 member 6; hPAHT; hROAT1; PAH transporter; organic anion transporter 1; para-aminohippurate transporter; renal organic anion transporter 1 |
| UniProt Protein Name             | Solute carrier family 22 member 6                                                                                                                                  |
| UniProt Gene Name                | SLC22A6                                                                                                                                                            |
| UniProt Synonym Gene Names       | OAT1; PAHT; hOAT1; hPAHT; hROAT1                                                                                                                                   |
| UniProt Entry Name               | S22A6_HUMAN                                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.