

## Rabbit SLC6A18 Polyclonal Antibody | anti-SLC6A18 antibody

SLC6A18 antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA224424</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

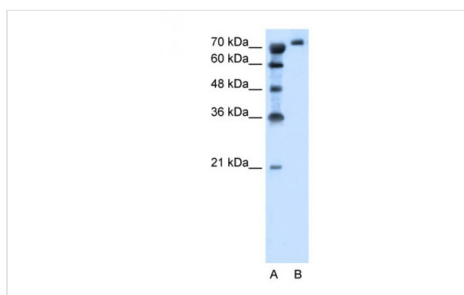
### PRODUCT SYNONYMS

SLC6A18; Polyclonal Antibody; SLC6A18 antibody; Polyclonal SLC6A18; Anti-SLC6A18; Solute Carrier Family 6 Member 18; FLJ31236; SLCA18-6; Xtrp2; SLCA18 6; anti-SLC6A18 antibody

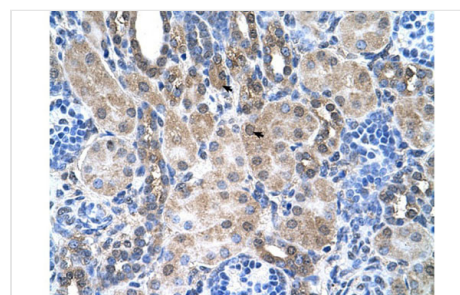
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                                                                                                           |
| Reactivity                                        | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                                                                                                       |
| Specificity                                       | SLC6A18 antibody was raised against the middle region of SLC6A18                                                                                                                                                                                                                                                 |
| Purity/Purification                               | Total IgG Protein A purified                                                                                                                                                                                                                                                                                     |
| Form/Format                                       | Lyophilized powder. Add 100ul distilled water for a 1mg/ml concentration of SLC6A18 antibody in PBS                                                                                                                                                                                                              |
| Concentration                                     | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                          |
| Applicable Applications for anti-SLC6A18 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                    |
| Biological Significance                           | The SLC6 family of proteins, which includes SLC6A18, acts as specific transporters for neurotransmitters, amino acids, and osmolytes like betaine, taurine, and creatine. SLC6 proteins are sodium cotransporters that derive the energy for solute transport from the electrochemical gradient for sodium ions. |
| Cross-Reactivity                                  | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                |
| Immunogen                                         | SLC6A18 antibody was raised using the middle region of SLC6A18 corresponding to a region with amino acids MHLNATWPKRVAQLPLKACLEDFLDKSASGPGGLAFVVFETDLHMPGAP                                                                                                                                                      |
| Preparation and Storage                           | Store at 2-8 degree C for short periods. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.                                                                                                                                                                                  |

### IMAGES


**WB (Western Blot)**

SLC6A18 antibody (AAA224424) used at 1.25 ug/ml to detect target protein.


**IHC (Immunohistochemistry)**

SLC6A18 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Epithelial cells of renal tubule (arrows) in Human Kidney. Magnification is at 400X

ADDITIONAL INFORMATION

|                                                       |                                                                                |
|-------------------------------------------------------|--------------------------------------------------------------------------------|
| Related Product Information for anti-SLC6A18 antibody | Rabbit polyclonal SLC6A18 antibody raised against the middle region of SLC6A18 |
| Product Categories/Family for anti-SLC6A18 antibody   | Cell Biology; Purified Polyclonal Antibodies                                   |

NCBI AND UNIPROT INFORMATION

|                  |                               |
|------------------|-------------------------------|
| Molecular Weight | 69 kDa (MW of target protein) |
|------------------|-------------------------------|

**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.

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