

## Rabbit anti-Human SLC30A3 Polyclonal Antibody | anti-SLC30A3 antibody

Anti-SLC30A3 Antibody, Rabbit Polyclonal

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA256339</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

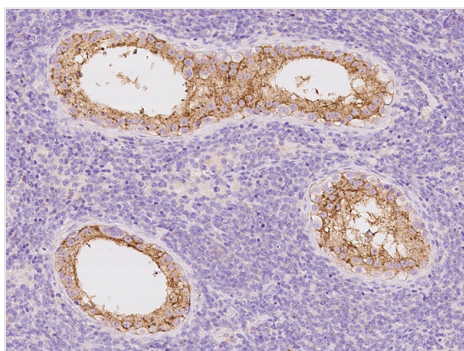
### PRODUCT SYNONYMS

SLC30A3; Polyclonal Antibody; Anti-SLC30A3 Antibody; Rabbit Polyclonal; SLC30A3 Antibody; Rabbit PAb; Antigen Affinity Purified; solute carrier family 30 member 3; Anti-ZNT3 Antibody; anti-SLC30A3 antibody

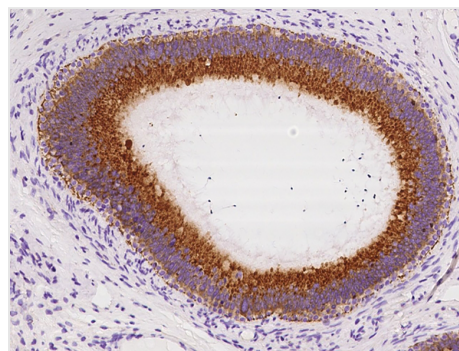
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                    |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                        | Human                                                                                                                                                                                                                                              |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                           | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                       | Human SLC30A3                                                                                                                                                                                                                                      |
| Purity/Purification                               | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                       | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-SLC30A3 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                         |
| Immunogen                                         | E Coli-derived Human SLC30A3 fragment                                                                                                                                                                                                              |
| Conjugation                                       | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                       | Produced in rabbits immunized with E Coli-derived Human SLC30A3 fragment, and purified by antigen affinity chromatography.                                                                                                                         |
| Preparation and Storage                           | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |

### IMAGES


**IHC (Immunohistochemistry)**

Immunochemical staining of human SLC30A3 in human testis with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.


**IHC (Immunohistochemistry)**

Immunochemical staining of human SLC30A3 in human epididymis with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SLC30A3 antibody | SLC30A3, which encodes the Zinc Transporter 3 (ZNT3), is localised to synaptic vesicles in glutamate synapses and known to be involved in cognitive function. ZnT3 is the sole mechanism responsible for concentrating zinc ions within synaptic vesicles in a subset of the brain's glutamatergic neurons. This vesicular zinc can then be released into the synaptic cleft in an activity-dependent fashion, where it can exert many signaling functions. SNPs in the SLC30A3 gene and adjacent region are associated with schizophrenia in female but not male cases. |
| References                                            | Perez-Becerril C, et al. (2014) Allelic variants in the zinc transporter-3 gene, slc30a3, a candidate gene identified from gene expression studies, show gender-specific association with schizophrenia. Eur Psychiatry 29 (3): 172-178.McAllister BB, et al. (2017) Zinc transporter 3 (znt3) and vesicular zinc in central nervous system function. Neurosci Biobehav Rev 80 329-350.                                                                                                                                                                                  |

**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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