

## Rabbit anti-Human SLC12A3 Polyclonal Antibody | anti-SLC12A3 antibody

SLC12A3 Conjugated Antibody

|                               |                       |                            |
|-------------------------------|-----------------------|----------------------------|
| CATALOG #<br><b>AAA312787</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> |
|-------------------------------|-----------------------|----------------------------|

### PRODUCT SYNONYMS

SLC12A3; Polyclonal Antibody; SLC12A3 Conjugated Antibody; NCC; TSC; NCCT; anti-SLC12A3 antibody

### PRODUCT SPECIFICATIONS

|                         |                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------|
| Host                    | Rabbit                                                                                      |
| Reactivity              | Human                                                                                       |
| Clonality               | Polyclonal                                                                                  |
| Specificity             | The antibody detects endogenous levels of total SLC12A3 protein.                            |
| Form/Format             | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Sequence Length         | 1021                                                                                        |
| Immunogen               | Synthetic peptide of human SLC12A3                                                          |
| Conjugation             | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750                                      |
| Excitation Emission     | AF555: 555nm/565nm                                                                          |
| Preparation and Storage | Store at 4°C in the dark for 6 months.                                                      |

### ADDITIONAL INFORMATION

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|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SLC12A3 antibody | This gene encodes a renal thiazide-sensitive sodium-chloride cotransporter that is important for electrolyte homeostasis. This cotransporter mediates sodium and chloride reabsorption in the distal convoluted tubule. Mutations in this gene cause Gitelman syndrome, a disease similar to Bartter's syndrome, that is characterized by hypokalemic alkalosis combined with hypomagnesemia, low urinary calcium, and increased renin activity associated with normal blood pressure. This cotransporter is the target for thiazide diuretics that are used for treating high blood pressure. Multiple transcript variants encoding different isoforms have been found for this gene. |
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### NCBI AND UNIPROT INFORMATION

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 1677538754                                  |
| NCBI GeneID                      | 6559                                        |
| NCBI Accession #                 | NP_001119580                                |
| NCBI GenBank Nucleotide #        | NP_001119580.2                              |
| UniProt Accession #              | P55017                                      |
| NCBI Official Full Name          | solute carrier family 12 member 3 isoform 3 |
| NCBI Official Synonym Full Names | solute carrier family 12 member 3           |
| NCBI Official Symbol             | SLC12A3                                     |
| NCBI Official Synonym Symbols    | NCC; TSC; NCCT                              |

|                            |                                   |
|----------------------------|-----------------------------------|
| NCBI Protein Information   | solute carrier family 12 member 3 |
| UniProt Protein Name       | Solute carrier family 12 member 3 |
| UniProt Gene Name          | <b>SLC12A3</b>                    |
| UniProt Synonym Gene Names | NCC; TSC; NCC                     |
| UniProt Entry Name         | S12A3_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/slc12a3-antibody-elisa/312787>