

## Rabbit anti-Human SLC5A5 Polyclonal Antibody | anti-SLC5A5 antibody

SLC5A5 antibody - middle region

|                               |                       |                            |                                     |
|-------------------------------|-----------------------|----------------------------|-------------------------------------|
| CATALOG #<br><b>AAA199304</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|-------------------------------------|

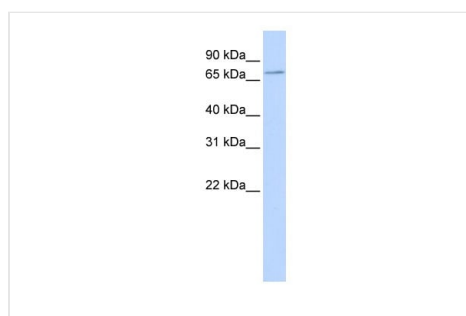
### PRODUCT SYNONYMS

SLC5A5; Polyclonal Antibody; SLC5A5 antibody - middle region; anti-SLC5A5 antibody

### PRODUCT SPECIFICATIONS

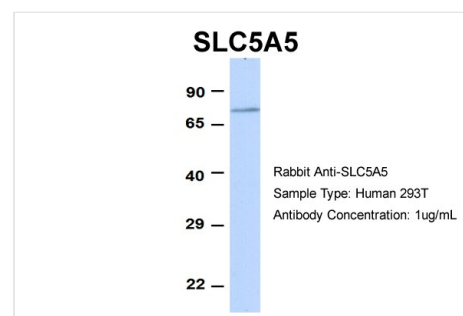
|                                                  |                                                                                                                                                       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                |
| Reactivity                                       | Human                                                                                                                                                 |
| Clonality                                        | Polyclonal                                                                                                                                            |
| Purity/Purification                              | Affinity Purified                                                                                                                                     |
| Form/Format                                      | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                         | Synthetic peptide with the following region: PS EQTMRVLPSS AARCVALS VN ASGLLD PALL PANDSSRAP S GMDASRP                                                |
| Sequence Length                                  | 643                                                                                                                                                   |
| Applicable Applications for anti-SLC5A5 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                         | Human: 100%                                                                                                                                           |
| Immunogen                                        | The immunogen is a synthetic peptide directed towards the middle region of human SLC5A5                                                               |
| Preparation and Storage                          | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

WB Suggested Anti-SLC5A5 Antibody Titration: 0.2-1 ug/mL  
ELISA Titer: 1:1562500  
Positive Control: 293T cell lysate  
SLC5A5 is supported by BioGPS gene expression data to be expressed in HEK293T



#### WB (Western Blot)

Host: Rabbit  
Target Name: SLC5A5  
Sample Type: 293T  
Antibody Dilution: 1.0 ug/mL  
SLC5A5 is supported by BioGPS gene expression data to be expressed in HEK293T

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SLC5A5 antibody | <p>This is a rabbit polyclonal antibody against SLC5A5. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: The sodium-iodide symporter (NIS, or SLC5A5) is a key plasma membrane protein that mediates active I- uptake in thyroid, lactating breast, and other tissues with an electrogenic stoichiometry of 2 Na+ per I-. In thyroid, NIS-mediated I- uptake is the first step in the biosynthesis of iodine-containing thyroid hormones. The sodium-iodide symporter (NIS, or SLC5A5) is a key plasma membrane protein that mediates active I- uptake in thyroid, lactating breast, and other tissues with an electrogenic stoichiometry of 2 Na+ per I-. In thyroid, NIS-mediated I- uptake is the first step in the biosynthesis of iodine-containing thyroid hormones (Dohan et al., 2007 [PubMed 18077370]).[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> |
| Product Categories/Family for anti-SLC5A5 antibody   | Polyclonal; Signal Proteins; Membrane Protein; Drugs and Drug Metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI GI #                        | 4507035                                             |
| NCBI GeneID                      | 6528                                                |
| NCBI Accession #                 | NP_000444                                           |
| NCBI GenBank Nucleotide #        | NM_000453                                           |
| UniProt Accession #              | Q92911                                              |
| Molecular Weight                 | 69kDa                                               |
| NCBI Official Full Name          | sodium/iodide cotransporter                         |
| NCBI Official Synonym Full Names | solute carrier family 5 member 5                    |
| NCBI Official Symbol             | SLC5A5                                              |
| NCBI Official Synonym Symbols    | NIS; TDH1                                           |
| NCBI Protein Information         | sodium/iodide cotransporter                         |
| UniProt Protein Name             | Sodium/iodide cotransporter                         |
| UniProt Gene Name                | SLC5A5                                              |
| UniProt Synonym Gene Names       | NIS; Na(+)/I(-) cotransporter; Na(+)/I(-) symporter |

**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.