

## Rabbit SLC5A2 Polyclonal Antibody | anti-SLC5A2 antibody

SLC5A2 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                 |
|-----------|--------|-------------------|--------------------------------------------------------------|
| AAA325163 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

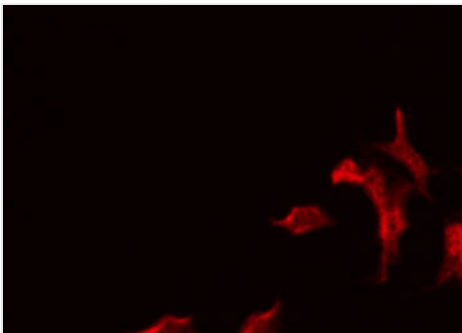
### PRODUCT SYNONYMS

SLC5A2; Polyclonal Antibody; SLC5A2 Antibody; Low affinity sodium glucose cotransporter; Low affinity sodium-glucose cotransporter; Na(+) glucose cotransporter 2; Na(+)/glucose cotransporter 2; OTTHUMP00000163298; SC5A2\_HUMAN; SGLT 2; SLC5A 2; Sodium glucose cotransporter 2; Sodium/glucose cotransporter 2; Solute carrier family 5 (sodium glucose cotransporter) member 2; Solute carrier family 5 (sodium/glucose transporter); member 2; Solute carrier family 5 member 2; anti-SLC5A2 antibody

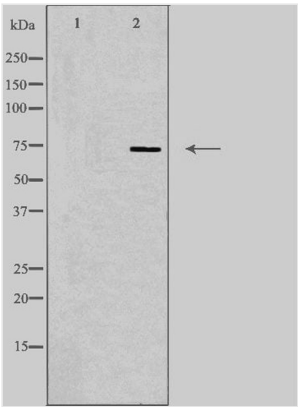
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                               |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                        |
| Reactivity                                       | Human, Mouse, Rat                                                                             |
| Clonality                                        | Polyclonal                                                                                    |
| Isotype                                          | IgG                                                                                           |
| Specificity                                      | SLC5A2 antibody detects endogenous levels of total SLC5A2                                     |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                      | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                    | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                  | 672                                                                                           |
| Applicable Applications for anti-SLC5A2 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                        | A synthesized peptide                                                                         |
| Subcellular Location                             | Membrane.                                                                                     |
| Predicted Cross Reactivity                       | <b>Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog</b>                                           |
| Similarity                                       | Zebrafish (88%), Bovine (89%), Horse (100%), Sheep (89%), Rabbit (89%), Dog (89%)             |
| Conjugation                                      | Unconjugated                                                                                  |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

IMAGES



**IF (Immunofluorescence)**  
AAA325163 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



**WB (Western Blot)**  
Western blot analysis of extracts from 293 cells, using SLC5A2 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                         |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SLC5A2 antibody | Function: Sodium-dependent glucose transporter. Has a Na <sup>+</sup> to glucose coupling ratio of 1:1.<br>Similarity: Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family. |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                      |
|----------------------------------|--------------------------------------|
| NCBI GI #                        | 4507033                              |
| NCBI GeneID                      | 6524                                 |
| NCBI Accession #                 | NP_003032.1                          |
| NCBI GenBank Nucleotide #        | NM_003041.3                          |
| UniProt Accession #              | P31639; A2RRD2                       |
| Molecular Weight                 | Observed: 73 kD<br>Predicted: 73 kDa |
| NCBI Official Full Name          | sodium/glucose cotransporter 2       |
| NCBI Official Synonym Full Names | solute carrier family 5 member 2     |
| NCBI Official Symbol             | SLC5A2                               |
| NCBI Official Synonym Symbols    | SGLT2                                |
| NCBI Protein Information         | sodium/glucose cotransporter 2       |
| UniProt Protein Name             | Sodium/glucose cotransporter 2       |
| UniProt Gene Name                | SLC5A2                               |
| UniProt Synonym Gene Names       | ; Na(+)/glucose cotransporter 2      |

**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.