

## Rabbit anti-Human SLC4A7 Polyclonal Antibody | anti-SLC4A7 antibody

SLC4A7 Antibody (C-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA289008 | Rabbit | Human      | Immunohistochemistry, ELISA, Western Blot |

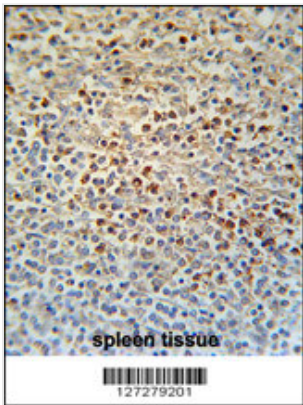
### PRODUCT SYNONYMS

SLC4A7; Polyclonal Antibody; SLC4A7 Antibody (C-term); Sodium bicarbonate cotransporter 3; Electroneutral Na/HCO(3) cotransporter; Sodium bicarbonate cotransporter 2; Sodium bicarbonate cotransporter 2b; Bicarbonate transporter; Solute carrier family 4 member 7; BT; NBC2; NBC2B; NBC3; NBCn1; SBC2; SLC4A6; anti-SLC4A7 antibody

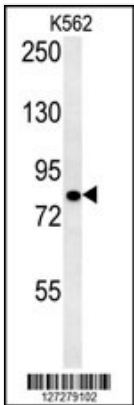
### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                       |
| Reactivity                                       | Human                                                                                                                                                                        |
| Clonality                                        | Polyclonal                                                                                                                                                                   |
| Isotype                                          | Rabbit Ig                                                                                                                                                                    |
| Specificity                                      | This SLC4A7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1186-1214 amino acids from the C-terminal region of human SLC4A7.   |
| Purity/Purification                              | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                    | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                               | 1186-1214                                                                                                                                                                    |
| Sequence Length                                  | 467                                                                                                                                                                          |
| Applicable Applications for anti-SLC4A7 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                         |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                   | HUMAN                                                                                                                                                                        |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

IMAGES



**IHC (Immunohiostchemistry)**  
SLC4A7 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human spleen tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SLC4A7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
SLC4A7 Antibody (C-term) western blot analysis in K562 cell line lysates (15ug/lane). This demonstrates the SLC4A7 antibody detected the SLC4A7 protein (arrow).

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                             |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SLC4A7 antibody | SLC4A7 regulates intracellular pH and may also play a role in bicarbonate salvage in secretory epithelia. Additionally, SLC4A7 may also have associated sodium channel activity.                                                                                            |
| Product Categories/Family for anti-SLC4A7 antibody   | <a href="#">Signal Transduction</a>                                                                                                                                                                                                                                         |
| References                                           | Odefrey, F., et al. Cancer Res. 70(4):1449-1458(2010)<br>Ahmed, S., et al. Nat. Genet. 41(5):585-590(2009)<br>Ishiguro, H., et al. Addiction 102(8):1320-1325(2007)<br>Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :<br>Olsen, J.V., et al. Cell 127(3):635-648(2006) |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 385648268                                                                                                                                                                                                                                                                                                 |
| NCBI GeneID                      | 9497                                                                                                                                                                                                                                                                                                      |
| NCBI Accession #                 | <a href="#">NP_001245308.1</a> ; <a href="#">NP_001245309.1</a> ; <a href="#">NP_003606.3</a>                                                                                                                                                                                                             |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001258379.1</a>                                                                                                                                                                                                                                                                            |
| UniProt Accession #              | <a href="#">Q9Y6M7</a> ; <a href="#">A6NIA8</a> ; <a href="#">B2CI53</a> ; <a href="#">B5M449</a> ; <a href="#">B5M451</a> ; <a href="#">B5M452</a> ; <a href="#">B5M453</a> ; <a href="#">B6DY52</a> ; <a href="#">B6DY53</a> ; <a href="#">C9JST9</a> ; <a href="#">D3K174</a> ; <a href="#">D3K175</a> |
| Molecular Weight                 | 136044                                                                                                                                                                                                                                                                                                    |
| NCBI Official Full Name          | sodium bicarbonate cotransporter 3 isoform b                                                                                                                                                                                                                                                              |
| NCBI Official Synonym Full Names | solute carrier family 4, sodium bicarbonate cotransporter, member 7                                                                                                                                                                                                                                       |
| NCBI Official Symbol             | SLC4A7                                                                                                                                                                                                                                                                                                    |
| NCBI Official Synonym Symbols    | NBC2; NBC3; SBC2; NBCN1; SLC4A6                                                                                                                                                                                                                                                                           |
| NCBI Protein Information         | sodium bicarbonate cotransporter 3                                                                                                                                                                                                                                                                        |
| UniProt Protein Name             | Sodium bicarbonate cotransporter 3                                                                                                                                                                                                                                                                        |
| UniProt Gene Name                | <b>SLC4A7</b>                                                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | BT; NBC2; NBC2B; NBC3; NBCn1; SBC2; SLC4A6; Bicarbonate transporter                                                                                                                                                                                                                                       |
| UniProt Entry Name               | S4A7_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc4a7-antibody-immunohistochemistry-western-blot-elisa/289008>