

## ARG59872 anti-SLC4A7 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SLC4A7
Tested Reactivity	Ms
Predict Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SLC4A7
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 240-400 of Human SLC4A7 (NP_003606.3).
Conjugation	Un-conjugated
Alternate Names	SBC2; NBC3; NBC2; NBCN1; Solute carrier family 4 member 7; Sodium bicarbonate cotransporter 2b; Bicarbonate transporter; 3; SLC4A6; Sodium bicarbonate cotransporter 3; Sodium bicarbonate cotransporter 2; Electroneutral Na/HCO

### Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse liver	
Observed Size	160 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

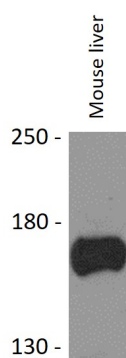
**Note**

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	SLC4A7
Gene Full Name	solute carrier family 4, sodium bicarbonate cotransporter, member 7
Background	This locus encodes a sodium bicarbonate cotransporter. The encoded transmembrane protein appears to transport sodium and bicarbonate ions in a 1:1 ratio, and is thus considered an electroneutral cotransporter. The encoded protein likely plays a critical role in regulation of intracellular pH involved in visual and auditory sensory transmission. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Apr 2012]
Function	Electroneutral sodium- and bicarbonate-dependent cotransporter with a Na(+):HCO3(-) 1:1 stoichiometry. Regulates intracellular pH and may play a role in bicarbonate salvage in secretory epithelia. May also have an associated sodium channel activity. [UniProt]
Calculated Mw	136 kDa
Cellular Localization	Basolateral cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. Cell projection, stereocilium. Note=Also described at the apical cell membrane. Localizes to the stereocilia of cochlear outer hair cells and to the lateral membrane of cochlear inner hair cells (By similarity). [UniProt]

## Images



ARG59872 anti-SLC4A7 antibody WB image

Western blot: 25 µg of Mouse liver lysate stained with ARG59872 anti-SLC4A7 antibody at 1:1000 dilution.