

SLC12A3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58719**Specification****SLC12A3 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, E
Primary Accession	P55017
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	113139

SLC12A3 Polyclonal Antibody - Additional Information**Gene ID** 6559**Other Names**

Solute carrier family 12 member 3, Na-Cl cotransporter, NCC, Na-Cl symporter, Thiazide-sensitive sodium-chloride cotransporter, SLC12A3, NCC, TSC

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
E ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

SLC12A3 Polyclonal Antibody - Protein Information**Name** SLC12A3 {ECO:0000303|PubMed:8812482, ECO:0000312|HGNC:HGNC:10912}**Function**

Electroneutral sodium and chloride ion cotransporter, which acts as a key mediator of sodium and chloride reabsorption in kidney distal convoluted tubules (PubMed: [18270262](http://www.uniprot.org/citations/18270262), PubMed: [21613606](http://www.uniprot.org/citations/21613606), PubMed: [22009145](http://www.uniprot.org/citations/22009145), PubMed: [36351028](http://www.uniprot.org/citations/36351028), PubMed: [36792826](http://www.uniprot.org/citations/36792826)). Also acts as a receptor for the pro-inflammatory cytokine IL18, thereby contributing to IL18-induced cytokine production, including IFNG, IL6, IL18 and CCL2 (By similarity). May act either independently of IL18R1, or in a complex with IL18R1 (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Apical cell membrane {ECO:0000250|UniProtKB:P59158}; Multi-pass membrane protein

Tissue Location

Predominantly expressed in the kidney (at protein level) (PubMed:29993276, PubMed:8812482). Localizes to the distal convoluted tubules (at protein level) (PubMed:29993276). Not detected in normal aorta, but abundantly expressed in fatty streaks and advanced atherosclerotic lesions (at protein level) (PubMed:26099046)

SLC12A3 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC12A3 Polyclonal Antibody - Images