Anti-SLC12A4 antibody

Cat. No.	ml221228
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-SLC12A4 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Fusion protein of human SLC12A4
Reactivity	Human, Mouse, Rat
Content	0.3 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	SLC12A4
Full name	solute carrier family 12 (potassium/chloride transporters), member 4
Synonyms	KCC1
Swissprot	Q9UP95

Target Background

This gene encodes a member of the SLC12A transporter family. The encoded protein mediates the coupled movement of potassium and chloride ions across the plasma membrane. This gene is expressed ubiquitously. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. Mediates electroneutral potassium-chloride cotransport when activated by cell swelling. May contribute to cell volume homeostasis in single cells. May be involved in the regulation of basolateral Cl- exit in NaCl absorbing epithelia.
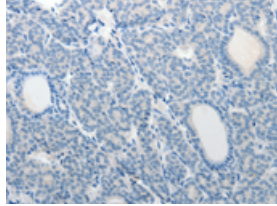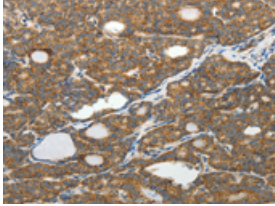
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer
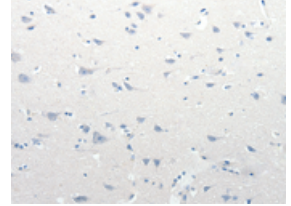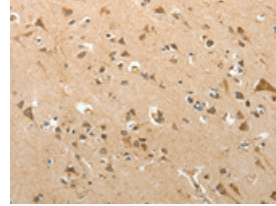
Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml221228(SLC12A4 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human brain

Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml221228(SLC12A4 Antibody) at dilution 1/30, on the right is treated with fusion protein. (Original magnification: ×200)

ELISA

Recommended dilution: 2000-5000

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