

SLC4A9 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17903a

Specification

SLC4A9 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O96Q91
Other Accession	NP_113655.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	108248
Antigen Region	2-30

SLC4A9 Antibody (N-term) - Additional Information

Gene ID 83697

Other Names

Anion exchange protein 4, AE 4, Anion exchanger 4, Sodium bicarbonate cotransporter 5, Solute carrier family 4 member 9, SLC4A9, AE4, SBC5

Target/Specificity

This SLC4A9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-30 amino acids from the N-terminal region of human SLC4A9.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SLC4A9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC4A9 Antibody (N-term) - Protein Information

Name SLC4A9 ([HGNC:11035](#))

Function Electroneutral $\text{Cl}(-)/\text{HCO}_3(-)$ antiporter that favors chloride ion entry and efflux of hydrogencarbonate and sodium ion across the basolateral membrane and may participate in salivary secretion (PubMed:[27114614](#)). Also mediates $\text{Cl}(-)/\text{HCO}_3(-)$ exchange activity in the presence of $\text{K}(+)$ as well as $\text{Cs}(+)$, $\text{Li}(+)$, and $\text{Rb}(+)$ (By similarity). Does not contribute to $\text{Cl}(-)/\text{HCO}_3(-)$ exchanger in the apical membrane of the upper villous epithelium (By similarity).

Cellular Location

Basolateral cell membrane {ECO:0000250|UniProtKB:A0A494BA31}; Multi-pass membrane protein. Note=Localized in the basolateral membrane of the cortical collecting duct (CCD) and submandibular gland (SMG) duct {ECO:0000250|UniProtKB:A0A494BA31}

Tissue Location

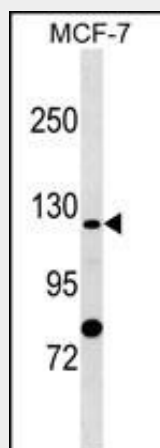
Kidney specific. {ECO:0000269|PubMed:11305939, ECO:0000269|Ref.7}

SLC4A9 Antibody (N-term) - 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](#)

SLC4A9 Antibody (N-term) - Images



SLC4A9 Antibody (N-term) (Cat. #AP17903a) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the SLC4A9 antibody detected the SLC4A9 protein (arrow).

SLC4A9 Antibody (N-term) - Background

SLC4A9 is probable apical anion exchanger of the kidney cortex (By similarity).

SLC4A9 Antibody (N-term) - References

Parker, M.D., et al. Biochem. Biophys. Res. Commun. 282(5):1103-1109(2001)
Lipovich, L., et al. Genome Biol. 2 (4), RESEARCH0011 (2001) :