10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# SLC4A9 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17903a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q96Q91 |
| **Other Accession** | NP_113655.2 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB28732 |
| **Calculated MW** | 108248 |
| **Antigen Region** | 2-30 |

## Additional Information

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| **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. |

## Protein Information

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| **Name** | SLC4A9 ( HGNC:11035) |
| **Function** | Electroneutral Cl(-)/HCO3(-) 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 |

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| | mediates Cl(-)/HCO3(-) exchange activity in the presence of K(+) as well as Cs(+), Li(+), and Rb(+) (By similarity). Does not contribute to Cl(-)/HCO3(-) 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} |

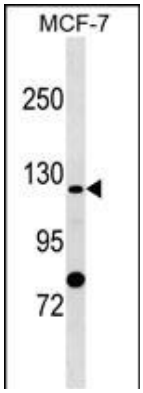
## Background

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

## 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) :

## 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.