

SLC4A8 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3163a**Specification**

SLC4A8 Antibody (internal region) - Product Information

Application	E
Primary Accession	Q2Y0W8
Other Accession	NP_001035049.1 , NP_004849.2 , 9498 , 59033 (mouse), 315311 (rat)
Predicted	Human, Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	122938

SLC4A8 Antibody (internal region) - Additional Information**Gene ID** 9498**Other Names**Electroneutral sodium bicarbonate exchanger 1, Electroneutral Na(+)-driven Cl-HCO₃ exchanger, Solute carrier family 4 member 8, k-NBC3, S4A8**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SLC4A8 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC4A8 Antibody (internal region) - Protein Information**Name** SLC4A8 {ECO:0000312|EMBL:AAY79176.1, ECO:0000312|HGNC:HGNC:11034}**Function**Mediates electroneutral sodium- and carbonate-dependent chloride-HCO₃(-) exchange with a Na(+):HCO₃(-) stoichiometry of 2:1 (PubMed:18577713). Plays a major role in pH regulation in neurons (By similarity). Mediates sodium reabsorption in the renal cortical collecting ducts (By similarity).**Cellular Location**

Apical cell membrane; Multi-pass membrane protein. Basolateral cell membrane {ECO:0000250|UniProtKB:Q6RVG2}; Multi-pass membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:Q6RVG2}; Multi-pass membrane protein [Isoform 3]: Cell membrane; Multi-pass membrane protein [Isoform 5]: Cell membrane; Multi-pass membrane protein

Tissue Location

Expressed in the pyramidal cells of the hippocampus (at protein level). Highly expressed in all major regions of the brain, spinal column and in testis, and moderate levels in trachea, thyroid and medulla region of kidney. Low expression levels observed in pancreas and kidney cortex. [Isoform 4]: Expressed in the brain, heart and kidney.

SLC4A8 Antibody (internal region) - 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](#)

SLC4A8 Antibody (internal region) - Images**SLC4A8 Antibody (internal region) - Background**

This antibody is expected to recognize isoform a and b (NP_001035049.1; NP_004849.2).

SLC4A8 Antibody (internal region) - References

Cloning and characterization of novel human SLC4A8 gene products encoding Na⁺-driven Cl⁻/HCO₃⁻ exchanger variants NDCBE-A, -C, and -D. Parker MD, Bouyer P, Daly CM, Boron WF, Physiological genomics 2008 Aug 34 (3): 265-76. PMID: 18577713