

SLC4A8/10 Polyclonal Antibody

Catalog # AP72499

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q2Y0W8 , Q6U841
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	122938

Additional Information

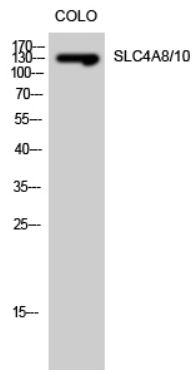
Gene ID	9498
Other Names	SLC4A8; KIAA0739; NBC; NBC3; NDCBE1; Electroneutral sodium bicarbonate exchanger 1; Electroneutral Na(+)-driven Cl-HCO ₃ exchanger; Solute carrier family 4 member 8; k-NBC3; SLC4A10; NCBE; Sodium-driven chloride bicarbonate exchanger; Solute
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	SLC4A8 {ECO:0000312 EMBL:AAY79176.1, ECO:0000312 HGNC:HGNC:11034}
Function	Mediates electroneutral sodium- and carbonate-dependent chloride-HCO ₃ (-) exchange with a Na(+):HCO ₃ (-) 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.

Images



Western Blot analysis of COLO cells using SLC4A8/10
Polyclonal Antibody diluted at 1 : 500

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