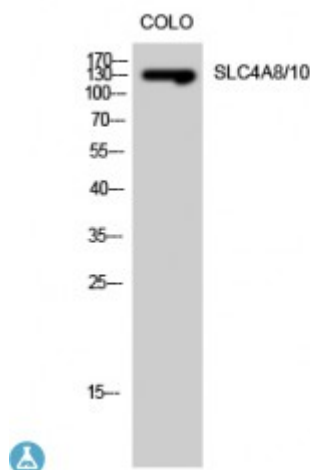


Anti-SLC4A8/10 antibody



Description	Rabbit polyclonal to SLC4A8/10.
Model	STJ95681
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human SLC4A8/10
Immunogen Region	380-460 aa, Internal
Gene ID	9498
Gene Symbol	SLC4A8
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	SLC4A8/10 Polyclonal Antibody detects endogenous levels of SLC4A8/10 protein.
Tissue Specificity	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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Electroneutral sodium bicarbonate exchanger 1 Electroneutral Na ⁺ -driven Cl ⁻ -HCO ₃ ⁻ exchanger Solute carrier family 4 member 8 k-NBC3

Molecular Weight	140 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11034OMIM:605024
Alternative Names	Electroneutral sodium bicarbonate exchanger 1 Electroneutral Na +-driven Cl-HCO3 exchanger Solute carrier family 4 member 8 k-NBC3
Function	Mediates electroneutral sodium- and carbonate-dependent chloride-HCO3(-) exchange with a Na(+):HCO3(-) stoichiometry of 2:1. Plays a major role in pH regulation in neurons. May be involved in cell pH regulation by transporting HCO3(-) from blood to cell. Enhanced expression in severe acid stress could be important for cell survival by mediating the influx of HCO3(-) into the cells. Also mediates lithium-dependent HCO3(-) cotransport. May be regulated by osmolarity.
Cellular Localization	Membrane