

# Immunotag™ SLC4A8/10 Antibody

Antibody Specification	
Catalog No.	ITA5410
Product Description	Immunotag™ SLC4A8/10 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SLC4A8/10
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:500~1:1000, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	SLC4A8/10 Antibody detects endogenous levels of total SLC4A8/10
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	SLC4A8
Accession No.	Q2Y0W8/Q6U841

## Antibody Specification

Alternate Names	NCBE; SLC4A10; SLC4A8; Electroneutral Na(+)-driven Cl-HCO <sub>3</sub> exchanger; Electroneutral sodium bicarbonate exchanger 1; k-NBC3; KIAA0739; NBC; NBC3; NDCBE1; S4A10_MOUSE; Slc4a10; Sodium-driven chloride bicarbonate exchanger; Solute carrier family 4 member 10; Solute carrier family 4 member 8; NBCn 2; NBCn2; NCBE; S4A10; S4A10_HUMAN; SLC 4A10; SLC4 A10; SLC4A 10; Slc4a10; Sodium driven chloride bicarbonate exchanger; Sodium-driven chloride bicarbonate exchanger; Solute carrier family 4 member 10; Solute carrier family 4, sodium bicarbonate cotransporter like, member 10; Solute carrier family 4, sodium bicarbonate transporter like, member 10; Solute carrier family 4, sodium bicarbonate transporter, member 10;
Description	Mediates electroneutral sodium- and carbonate-dependent chloride-HCO <sub>3</sub> <sup>-</sup> exchange with a Na <sup>+</sup> :HCO <sub>3</sub> <sup>-</sup> stoichiometry of 2:1. Plays a major role in pH regulation in neurons. May be involved in cell pH regulation by transporting HCO <sub>3</sub> <sup>-</sup> from blood to cell. Enhanced expression in severe acid stress could be important for cell survival by mediating the influx of HCO <sub>3</sub> <sup>-</sup> into the cells. Also mediates lithium-dependent HCO <sub>3</sub> <sup>-</sup> cotransport. May be regulated by osmolarity.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	140 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.