

Anti-SLC4A4 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Molecular Weight:	Theoretical: 116 kDa. Actual: 116 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Kidney (Mouse) Lysate at 40 µg Primary: Anti-SLC4A4 (TMAB-12907) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 116 kD Observed band size: 116 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human SLC4A4 isoform 2
Antigen Species:	Human
Gene ID:	8671
Uniprot ID:	Q9Y6R1

Research Background

SLC4A4 (Electrogenic sodium bicarbonate cotransporter 1) is an electrogenic sodium/bicarbonate cotransporter with a Na(+):HCO₃(-) stoichiometry varying from 1:2 to 1:3. It may regulate bicarbonate influx/efflux at the basolateral membrane of cells and regulate intracellular pH. SLC4A4 interacts with carbonic anhydrase 2 and carbonic anhydrase 4 which may regulate transporter activity. There are four named isoforms produced by alternative splicing.

This gene encodes a sodium bicarbonate cotransporter (NBC) involved in the regulation of bicarbonate secretion and absorption and intracellular pH. Mutations in this gene are associated with proximal renal tubular acidosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481