

Anti-SLC4A4 Polyclonal Antibody

Product Details

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| Ig Type: | IgG |
| Reactivity: | Human, Mouse (predicted: Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep) |
| Molecular Weight: | Theoretical: 119 kDa. Actual: 119 kDa. |
| Purification: | Protein A purified |

Applications

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|--------------------|---|
| Verified Activity: | 1. Sample: U251 (Human) Cell Lysate at 30 µg Primary: Anti-SLC4A4 (TMAB-12908) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 119 kD Observed band size: 119 kD |
| | 2. Sample: Cerebrum (Mouse) Lysate at 40 µg Cerebellum (Mouse) Lysate at 40 µg Primary: Anti-SLC4A4 (TMAB-12908) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 119 kD Observed band size: 119 kD |
| Application: | WB |
| Recommended | WB: 1:500-2000 |

Properties

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| 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

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| Immunogen: | KLH conjugated synthetic peptide: human SLC4A4 |
| 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.

A DRUG SCREENING EXPERT

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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