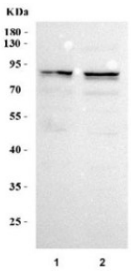
# SLC5A4 Antibody / Solute Carrier Family 5 Member 4 Antibody (RQ7656)

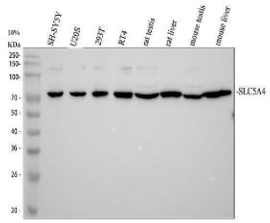
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ7656 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q9NY91 |
| **Applications** | Western blot: 0.5-1ug/ml |
| **Limitations** | This SLC5A4 Antibody / Solute Carrier Family 5 Member 4 Antibody is available for research use only. |




SLC5A4 Antibody Human SH-SY5Y and 293T Cell WB. Western blot analysis of human SH-SY5Y (lane 1) and 293T (lane 2) cell lysates using SLC5A4 Antibody / Solute Carrier Family 5 Member 4 Antibody. A prominent band is detected at approximately 72 kDa, consistent with the predicted molecular weight of SLC5A4, although higher molecular weight forms may also be observed due to glycosylation. This SLC5A4 Antibody, also called Solute Carrier Family 5 Member 4 Antibody, is suitable for studies of sodium-dependent solute transport, membrane transporter biology, carbohydrate transport mechanisms, and SLC family protein expression.




SLC5A4 Antibody Human, Rat and Mouse WB. Western blot analysis of human SH-SY5Y (lane 1), U2OS (lane 2), 293T (lane 3), and RT4 (lane 4) whole cell lysates, along with rat testis (lane 5), rat liver (lane 6), mouse testis (lane 7), and mouse liver (lane 8) tissue lysates using SLC5A4 Antibody / Solute Carrier Family 5 Member 4 Antibody at 0.5 ug/ml. A specific band was detected at approximately 72 kDa across all samples, consistent with the expected molecular weight of SLC5A4. This SLC5A4 Antibody, also called Solute Carrier Family 5 Member 4 Antibody, is suitable for studies of sodium-dependent solute transport, membrane transporter biology, carbohydrate transport mechanisms, and SLC family protein expression.

## Description

SLC5A4 Antibody / Solute Carrier Family 5 Member 4 Antibody recognizes SLC5A4, a member of the sodium-dependent glucose cotransporter family that belongs to the larger SLC5 transporter superfamily. Members of this family couple sodium ion gradients to the transport or sensing of sugars and other small molecules across the plasma membrane. Although SLC5A4 shares significant sequence homology with classical sodium-glucose cotransporters, current evidence suggests it may function primarily as a glucose sensor or transporter with tissue-specific physiological roles rather than serving as a major mediator of intestinal or renal glucose uptake. NSJ Bioreagents provides SLC5A4 Antibody / Solute Carrier Family 5 Member 4 Antibody for studies of membrane transporter biology and solute carrier protein expression.

SLC5A4 is expressed in selected epithelial and metabolically active tissues, where it is thought to contribute to nutrient sensing and regulation of cellular responses to extracellular glucose. Like other members of the SLC5 family, the protein is an integral membrane glycoprotein, and glycosylation may influence its apparent molecular weight, trafficking, stability, and functional activity. Continued investigation is improving our understanding of how SLC5A4 contributes to cellular metabolism and membrane transport processes in normal physiology.

Interest in SLC5A4 has grown alongside broader research into solute carrier transporters, which are increasingly recognized as important regulators of metabolism, nutrient utilization, and cellular homeostasis. Altered expression of SLC family proteins has been associated with metabolic disorders, cancer, and other diseases, making these transporters attractive subjects for both basic and translational research. Studies of SLC5A4 may provide additional insight into glucose sensing, epithelial physiology, and transporter regulation within diverse tissues.

An SLC5A4 Antibody is a valuable research tool for investigating membrane transporter expression, sodium-dependent solute transport, glucose sensing, epithelial biology, and SLC family protein function. Researchers frequently use SLC5A4 Antibody in studies examining transporter localization, regulation, and expression across human and experimental model systems.

Explore our Metabolism Antibodies page to discover additional antibodies for investigating nutrient transport, glucose homeostasis, cellular metabolism, energy regulation, and metabolic signaling.

## Application Notes

Optimal dilution of the SLC5A4 Antibody / Solute Carrier Family 5 Member 4 Antibody should be determined by the researcher.

## Immunogen

Amino acids EDYPEKSRGCLKKAYDLFCGLQK from the human protein were used as the immunogen for the SLC5A4 antibody.

## Storage

After reconstitution, the SLC5A4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

## Alternate Names

SLC5A4 antibody, Solute Carrier Family 5 Member 4 antibody, Sodium Glucose Cotransporter Family Member antibody, SGLT3 antibody


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