Datasheet for ABIN6719506

# anti-SLC5A2 antibody (AA 15-656)

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## Overview

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| Quantity: | 100 µg |
| Target: | SLC5A2 |
| Binding Specificity: | AA 15-656 |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SLC5A2 antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

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| Purpose: | Anti-SGLT2/SLC5A2 Antibody Picoband® |
| Immunogen: | E.coli-derived human SGLT2/SLC5A2 recombinant protein (Position: A15-N656). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-SGLT2/SLC5A2 Antibody Picoband® (ABIN6719506). Tested in ELISA, Flow Cytometry, IHC, IHC-F, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification: | Immunogen affinity purified. |

## Target Details

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| Target: | SLC5A2 |
| Alternative Name: | SLC5A2 (SLC5A2 Products) |
| Background: | Synonyms: Sodium/glucose cotransporter 2, Na (+)/glucose cotransporter 2, Low affinity sodium-glucose cotransporter, Solute carrier family 5 member 2, SLC5A2, SGLT2<br>Background: The sodium/glucose cotransporter 2 (SGLT2) is a protein that in humans is encoded by the SLC5A2 gene. It is mapped to 16p11.2. This gene encodes a member of the sodium glucose cotransporter family which are sodium-dependent glucose transport proteins. The encoded protein is the major cotransporter involved in glucose reabsorption in the kidney. Mutations in this gene are associated with renal glucosuria. Two transcript variants, one protein-coding and one not, have been found for this gene. |
| Molecular Weight: | 73 kDa |
| Gene ID: | 6524 |
| UniProt: | P31639 |

## Application Details

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| Application Notes: | Western blot, 0.1-0.5 µg/mL<br>Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL<br>Immunohistochemistry (Frozen Section), 0.5-1 µg/mL<br>Immunocytochemistry, 0.5-1 µg/mL<br>Flow Cytometry (Fixed), 1-3 µg/1x$10^6$ cells<br>ELISA, 0.1-0.5 µg/mL<br>1. Calado, J., Soto, K., Clemente, C., Correia, P., Rueff, J. Novel compound heterozygous mutations in SLC5A2 are responsible for autosomal recessive renal glucosuria. Hum. Genet. 114: 314-316, 2004. 2. Wells, R. G., Pajor, A. M., Kanai, Y., Turk, E., Wright, E. M., Hediger, M. A. Cloning of a human kidney cDNA with similarity to the sodium-glucose cotransporter. Am. J. Physiol. 263: F459-F465, 1992. |
| Comment: | Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |