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# Goat anti-KCC3 / SLC12A6, Biotinylated Antibody

Peptide-affinity purified goat antibody
Catalog # AF4420a

## Product Information

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|---|---|
| **Application** | WB, IHC, Pep-ELISA |
| **Primary Accession** | Q9UHW9 |
| **Other Accession** | NP_598408.1, NP_005126.1, NP_001035959.1, NP_001035961.1, NP_001035962.1 |
| **Reactivity** | Human |
| **Host** | Goat |
| **Clonality** | Polyclonal |
| **Clone Names** | SLC12A6 |
| **Calculated MW** | 127617 |

## Additional Information

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| **Gene ID** | 9990 |
| **Other Names** | SLC12A6; solute carrier family 12 (potassium/chloride transporter), member 6; ACCPN; KCC3; KCC3A; KCC3B; K-Cl cotransporter 3; electroneutral potassium-chloride cotransporter 3; potassium chloride cotransporter 3; potassium chloride cotransporter KCC3a-S3 |
| **Dilution** | WB~~1:1000 IHC~~1:100~500 Pep-ELISA~~N/A |
| **Format** | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing. |
| **Immunogen** | This antibody is expected to recognise all reported isofoms (NP_598408.1; NP_005126.1; NP_001035959.1; NP_001035961.1; NP_001035962.1); Reported variants represent identicial protein: NP_001035959.1; NP_001035960.1 |
| **Storage** | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | Goat anti-KCC3 / SLC12A6, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | SLC12A6 ( HGNC:10914) |
| **Function** | [Isoform 1]: Mediates electroneutral potassium-chloride cotransport when activated by cell swelling (PubMed:10600773, PubMed:11551954, |

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| | PubMed:16048901, PubMed:18566107, PubMed:19665974, PubMed:21628467, PubMed:27485015). May contribute to cell volume homeostasis in single cells (PubMed:16048901, PubMed:27485015). |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein. Basolateral cell membrane {ECO:0000250\|UniProtKB:Q924N4}; Multi-pass membrane protein {ECO:0000250\|UniProtKB:Q924N4} |
| **Tissue Location** | Expressed in brain (at protein level) (PubMed:21628467). Highly expressed in heart, brain and kidney Detected at lower levels in skeletal muscle, placenta, lung and pancreas (PubMed:10600773). Detected in umbilical vein endothelial cells (PubMed:16048901). [Isoform 5]: Testis specific. |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.