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Goat anti-KCC3 / SLC12A6, Biotinylated Antibody

Peptide-affinity purified goat antibody
Catalog # AF4420a

Product Information

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

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

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

	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.