

Anti-Potassium Chloride Cotransporter (KCC2) (Thr1007) Antibody

Our Anti-Potassium Chloride Cotransporter (KCC2) (Thr1007) rabbit polyclonal phosphospecific primary
Catalog # AN1524

Product Information

Application	WB
Primary Accession	Q63633
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	126247

Additional Information

Gene ID	171373
Other Names	Electroneutral potassium chloride cotransporter 2 antibody, Electroneutral potassium-chloride cotransporter 2 antibody, Erythroid K Cl cotransporter 2 antibody, Furosemide sensitive K Cl cotransporter antibody, hKCC2 antibody, K-Cl cotransporter 2 antibody, KCC 2 antibody, KCC2 antibody, KIAA1176 antibody, Neuronal K Cl cotransporter antibody, Neuronal K-Cl cotransporter antibody, Potassium Chloride Cotransporter antibody, Potassium chloride transporter 5 antibody, rKCC2 antibody, S12A5 antibody, S12A5_HUMAN antibody, SLC12A5 antibody, Solute carrier family 12 (potassium chloride transporter) member 5 antibody, Solute carrier family 12 member 5 antibody
Target/Specificity	KCC2 is widely thought to be expressed exclusively in neurons where it is responsible for maintaining low intracellular chloride concentration to drive hyperpolarizing post-synaptic responses to the inhibitory neurotransmitters GABA and glycine (Lee et al., 2007). KCC2 is expressed in most adult neurons, and expression levels correlate well with the maturation state of neurons. N-ethylmaleimide (NEM) has been shown to increase phosphorylation of the Ser-940 residue, while decreasing phosphorylation of Thr-1007 residue. Dephosphorylation of residues Thr-906 and Thr-1007 correlates with increased KCC2 activity (Moss et al., 2017).
Dilution	WB~~1:1000
Format	Antigen Affinity Purified from Pooled Serum
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	Anti-Potassium Chloride Cotransporter (KCC2) (Thr1007) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Background

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