



## KCC2/SLC12A5 Mouse mAb

<b>Catalog No</b>	YP-mAb-19293
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human,Mouse,Rat
<b>Applications</b>	WB
<b>Gene Name</b>	SLC12A5 KCC2 KIAA1176
<b>Protein Name</b>	Solute carrier family 12 member 5 (Electroneutral potassium-chloride cotransporter 2) (K-Cl cotransporter 2) (hKCC2) (Neuronal K-Cl cotransporter)
<b>Immunogen</b>	Synthesized peptide derived from human KCC2/SLC12A5
<b>Specificity</b>	This antibody detects endogenous levels of KCC2/SLC12A5 at Human, Mouse,Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal,Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Calculated Molecular Weight</b>	125kD
<b>Cell Pathway</b>	Membrane; Multi-pass membrane protein.
<b>Tissue Specificity</b>	Brain specific. Detected in neuronal cells.
<b>Function</b>	Mediates electroneutral potassium-chloride cotransport in mature neurons and is required for neuronal Cl <sup>-</sup> homeostasis. As major extruder of intracellular chloride, it establishes the low neuronal Cl <sup>-</sup> levels required for chloride influx after binding of GABA-A and glycine to their receptors, with subsequent hyperpolarization and neuronal inhibition (By similarity). Involved in the regulation of dendritic spine formation and maturation .
<b>Background</b>	
<b>matters needing attention</b>	Avoid repeated freezing and thawing!



### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images