



KCC2/SLC12A5 Mouse mAb

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