

# AB-NN322-1

## KCC2 Antibody

Pan-specific monoclonal antibody (S1-12) for monitoring the expression of rat KCC2



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Solute carrier family 12 member 5 (KCC2)
<b>Alias:</b>	Potassium Chloride Cotransporter, Potassium chloride transporter 5, SLC12A5, hKCC2, S12A5, Solute carrier family 12 member 5, Electroneutral potassium-chloride cotransporter 2, Furosemide-sensitive K-Cl cotransporter, K-Cl cotransporter 2, rKCC2, Neuronal K-Cl cotransporter, KIAA1176, Electroneutral potassium chloride cotransporter 2, Erythroid K Cl cotransporter 2, Furosemide sensitive K Cl cotransporter, K-Cl cotransporter 2, KCC 2, Neuronal K Cl cotransporter, Solute carrier family 12 (potassium chloride transporter) member 5, Solute carrier family 12 member 5
<b>UniProt ID:</b>	Q63633 - Rat
<b>Human Predicted Mass (KDa):</b>	126.184 (1139 AA; Q9H2X9-1); 123.511 (1116 AA; Q9H2X9-2)
<b>Observed SDS-PAGE Mass (KDa):</b>	140

### Immunogen

<b>Antibody Immunogen Source:</b>	Fusion protein amino acids 932-1043 corresponding to rat KCC2
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	146 IgG2a
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

### Applications

<b>Product Use:</b>	WB   IHC   IP
<b>Antibody Dilution Recommended:</b>	WB (1:1000), IHC (1:300); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-392 was sufficient for detection of KCC2 in 10 µg of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~140 kDa protein.

This product is for in vitro research use only and is not intended for use in humans or animals.

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