

Mouse K⁺/Cl⁻ Cotransporter Monoclonal Antibody | anti-KCC2 antibody

K⁺/Cl⁻ Cotransporter (KCC2) Monoclonal Antibody

CATALOG # AAA47757	HOST Mouse	APPLICATIONS Immunohistochemistry, Immunoblot, Western Blot
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PRODUCT SYNONYMS

K⁺/Cl⁻ Cotransporter; Monoclonal Antibody; K⁺/Cl⁻ Cotransporter (KCC2) Monoclonal Antibody; Anti-K⁺/Cl⁻ Cotransporter (KCC2); anti-KCC2 antibody

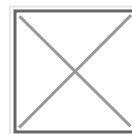
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody recognizes human, mouse and rat KCC2.
Sequence Length	1035
Applicable Applications for anti-KCC2 antibody	IHC (Immunohistochemistry), IB (Immunoblot)
Antigen	Fusion protein consisting of aa 932-1043 of rat KCC2 (accession no. NP_599190).
Dilution Instructions	Dilute in PBS or medium which is identical to that used in the assay system.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Avoid multiple freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-KCC2 antibody	KCC2 is a member of the cation-chloride cotransporter gene family. KCCs lower intracellular chloride concentrations below the electrochemical equilibrium potential. Depending on the concentration gradients of potassium and chloride, KCC2 can operate as a net efflux or influx pathway. KCC2 is expressed at high levels in neurons throughout the nervous system and is localized at inhibitory synapses of the spinal cord. Studies in mice have shown that KCC2 reduces GABAs inhibitory signaling resulting in motor defects, epilepsy, and anxiety-like behavior.
Product Categories/Family for anti-KCC2 antibody	Ion Channel Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	808357090
NCBI GeneID	177495
NCBI Accession #	NP_001294073.1

NCBI GenBank Nucleotide #	NM_001307144.1
UniProt Accession #	N1NVB5
Molecular Weight	114,337 Da
NCBI Official Full Name	K+/Cl-Cotransporter
NCBI Official Symbol	kcc-1
NCBI Protein Information	K+/Cl-Cotransporter
UniProt Protein Name	K+/Cl-Cotransporter
UniProt Gene Name	kcc-1
UniProt Entry Name	N1NVB5_CAEEL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/k-cl-cotransporter-antibody-immunohistochemistry-immunoblot-elisa/47757>