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Datasheet for ABIN1394287

anti-SLC12A6 antibody (AA 401-500) (Biotin)

Overview

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| Quantity: | 100 µL |
| Target: | SLC12A6 |
| Binding Specificity: | AA 401-500 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SLC12A6 antibody is conjugated to Biotin |
| Application: | ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human SLC12A6/KCC3 |
| Isotype: | IgG |
| Predicted Reactivity: | Human, Mouse, Rat, Cow, Sheep, Pig, Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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| Target: | SLC12A6 |
| Alternative Name: | SLC12A6/KCC3 (SLC12A6 Products) |
| Background: | Synonyms: ACCPN, Furosemide sensitive KCl cotransporter 3, Gaxp, KCC 3, KCC 3A, KCC 3B, |

Target Details

KCC3 A, KCC3, KCC3 B, KCC3A, KCC3B, Potassium chloride cotransporter 3, Potassium chloride cotransporter KCC3a S3, SLC12 A6, SLC12A 6, Solute carrier family 12 potassium/chloride transporters, member 6, Solute carrier family 12, member 6, S12A6_HUMAN.

Background: The four isoforms of potassium/chloride co-transport channels (KCC) belong to a superfamily of cation-chloride co-transporters involved in cell volume maintenance. Nitric oxide (NO) donors activate KCCs, while inhibitors of the cGMP pathway prevent NO donor activation. The ubiquitously expressed KCC1 contains 12 transmembrane domains with both cytoplasmic N and C terminal domains. KCC2 expression is limited to neuronal tissues by a restrictive element similar to the neuronal-restrictive silencing factor. In neurons, KCC2 expression is correlated with an inhibitory response to GABA, while the absence of KCC2 is necessary for an unusual excitatory response to GABA. Alterations of KCC2 expression in the inferior colliculus of rat brain may be related to seizure susceptibility. Conversely, KCC3 is not suspected to play a major role in epilepsy. The two splice variants of KCC3, KCC3a and KCC3b, are predominantly expressed in brain and kidney, respectively, while KCC4 is expressed in muscle, brain, lung, heart and kidney.

Application Details

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| Application Notes: | IHC-P 1:200-400 IHC-F 1:100-500 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C for 12 months. |

Handling

Expiry Date: 12 months