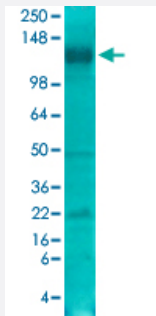


# Slc12a5 monoclonal antibody, clone S1-12 (FITC)

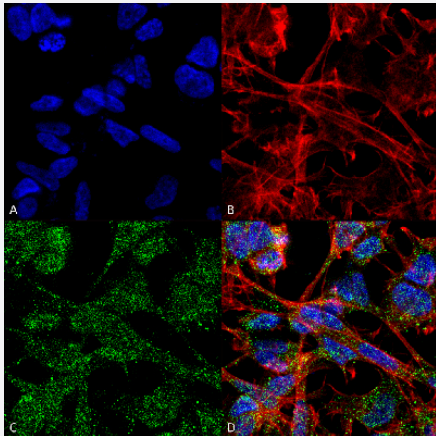
Catalog # MAB16791      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Western Blot analysis of rat brain membrane lysate with Slc12a5 monoclonal antibody, clone S1-12 (FITC) (Cat # MAB16791).



### Immunocytochemistry

Immunocytochemical staining of SK-N-BE with Slc12a5 monoclonal antibody, clone S1-12 (FITC) (Cat # MAB16791). (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Slc12a5 Antibody and (D) Composite.

## Specification

|                            |                                                                           |
|----------------------------|---------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against partial recombinant rat Slc12a5. |
| <b>Immunogen</b>           | Recombinant protein corresponding to amino acids 932-1043 of rat Slc12a5. |
| <b>Host</b>                | Mouse                                                                     |
| <b>Reactivity</b>          | Human, Rat                                                                |
| <b>Form</b>                | Liquid                                                                    |

|                     |                                                                                                                                                                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conjugation         | FITC                                                                                                                                                                                                                                                            |
| Purification        | Protein G purification                                                                                                                                                                                                                                          |
| Isotype             | IgG2a                                                                                                                                                                                                                                                           |
| Recommend Usage     | Immunocytochemistry (1:100)<br>Immunofluorescence (1:100)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:300)<br>Immunoprecipitation<br>Western Blot (1:1000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide).                                                                                                                                                                                                              |
| Storage Instruction | Store at -20°C.                                                                                                                                                                                                                                                 |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                                                          |

## Applications

- Western Blot (Tissue lysate)

Western Blot analysis of rat brain membrane lysate with Slc12a5 monoclonal antibody, clone S1-12 (FITC) (Cat # MAB16791).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

Immunocytochemical staining of SK-N-BE with Slc12a5 monoclonal antibody, clone S1-12 (FITC) (Cat # MAB16791). (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Slc12a5 Antibody and (D) Composite.

- Immunofluorescence

- Immunoprecipitation

## Gene Info — Slc12a5

|                    |                        |
|--------------------|------------------------|
| Entrez GeneID      | <a href="#">171373</a> |
| Protein Accession# | <a href="#">Q63633</a> |
| Gene Name          | Slc12a5                |
| Gene Alias         | Kcc2                   |

|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| Gene Description   | solute carrier family 12 (potassium-chloride transporter), member 5     |
| Gene Ontology      | <a href="#">Hyperlink</a>                                               |
| Gene Summary       | O                                                                       |
| Other Designations | neuronal-specific K-Cl cotransporter solute carrier family 12, member 5 |

## Publication Reference

- [Clustering of neuronal K<sup>+</sup>-Cl<sup>-</sup> cotransporters in lipid rafts by tyrosine phosphorylation.](#)

Watanabe M, Wake H, Moorhouse AJ, Nabekura J.

The Journal of Biological Chemistry 2009 Oct; 284(41):27980.