

## SLC6A3 rabbit monoclonal antibody

Catalog # H00006531-K

Size 100 ug x up to 3

### Specification

|                                |                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit monoclonal antibody raised against a human SLC6A3 peptide using ARM Technology.                                                                                                                                                                                                                                          |
| <b>Immunogen</b>               | A synthetic peptide of human SLC6A3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.                                                                                                                                                                                          |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                          |
| <b>Library Construction</b>    | Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).                                                                                                                                                                                                                                              |
| <b>Expression</b>              | Overexpression vector and transfection into 293H cell line.                                                                                                                                                                                                                                                                     |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                           |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                             |
| <b>Quality Control Testing</b> | Antibody reactive against human SLC6A3 peptide by ELISA and mammalian transfected lysate by Western Blot.                                                                                                                                                                                                                       |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                               |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                        |
| <b>Deliverable</b>             | Up to three rabbit IgG clones of 100 ug each will be delivered to customer.                                                                                                                                                                                                                                                     |
| <b>Note</b>                    | <ol style="list-style-type: none"><li>1. Customer may provide cell or tissue lysate for antibody screening.</li><li>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab)<sub>2</sub>, IgG, scFv and different Fc and non-Fc conjugates per customer request.</li></ol> |

### Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — SLC6A3

|                     |                                                                                                                                                                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">6531</a>                                                                                                                                                                                                                                                                                                                      |
| GeneBank Accession# | <a href="#">SLC6A3</a>                                                                                                                                                                                                                                                                                                                    |
| Gene Name           | SLC6A3                                                                                                                                                                                                                                                                                                                                    |
| Gene Alias          | DAT, DAT1                                                                                                                                                                                                                                                                                                                                 |
| Gene Description    | solute carrier family 6 (neurotransmitter transporter, dopamine), member 3                                                                                                                                                                                                                                                                |
| Omim ID             | <a href="#">126455</a> <a href="#">143465</a> <a href="#">188890</a>                                                                                                                                                                                                                                                                      |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                 |
| Gene Summary        | The dopamine transporter (DAT1) mediates the active reuptake of dopamine from the synapse and is a principal regulator of dopaminergic neurotransmission. The DAT1 gene has been implicated in human disorders such as parkinsonism, Tourette syndrome, and substance abuse (Vandenberg et al., 1992 [PubMed 1359373]).[supplied by OMIM] |
| Other Designations  | dopamine transporter variable number tandem repeat (VNTR)                                                                                                                                                                                                                                                                                 |

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