

## Rabbit anti-Human, Mouse SLC6A4 Polyclonal Antibody | anti-SLC6A4 antibody

SLC6A4 Polyclonal Antibody

|                               |                       |                                   |                                     |
|-------------------------------|-----------------------|-----------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA174307</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------|-------------------------------------|

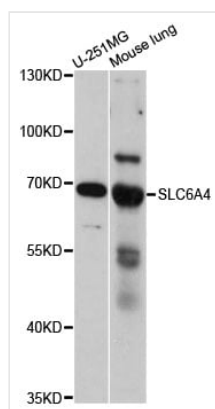
### PRODUCT SYNONYMS

SLC6A4; Polyclonal Antibody; SLC6A4 Polyclonal Antibody; 5 HTT; 5 HTTLPR; 5 hydroxytryptamine (serotonin) transporter; 5 hydroxytryptamine transporter; 5HT transporter; 5HTT; hSERT; HTT; Na<sup>+</sup>/Cl<sup>-</sup> dependent serotonin transporter; OCD1; SC6A4; Serotonin transporter 1; SERT; SERT1; Slc6a4; Sodium dependent serotonin transporter; Sodium-dependent serotonin transporter; Solute carrier family 6 (neurotransmitter transporter) member 4; solute carrier family 6 (neurotransmitter transporter; serotonin); member 4; Solute carrier family 6 member 4; anti-SLC6A4 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                   |
|--------------------------------------------------|---------------------------------------------------|
| Host                                             | Rabbit                                            |
| Reactivity                                       | Human, Mouse                                      |
| Clonality                                        | Polyclonal                                        |
| Isotype                                          | IgG                                               |
| Purity/Purification                              | Affinity Purification                             |
| Form/Format                                      | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| Sequence Length                                  | 672                                               |
| Applicable Applications for anti-SLC6A4 antibody | WB (Western Blot)                                 |
| Immunogen                                        | A synthetic peptide of human SLC6A4               |
| Calculated MW                                    | 70kDa/74kDa                                       |
| Observed MW                                      | 69 kD                                             |
| Conjugation                                      | Unconjugated                                      |
| Preparation and Storage                          | Store at -20°C. Avoid freeze/thaw cycles.         |

### IMAGES



**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using SLC6A4 antibody.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SLC6A4 antibody | This gene encodes an integral membrane protein that transports the neurotransmitter serotonin from synaptic spaces into presynaptic neurons. The encoded protein terminates the action of serotonin and recycles it in a sodium-dependent manner. This protein is a target of psychomotor stimulants, such as amphetamines and cocaine, and is a member of the sodium:neurotransmitter symporter family. A repeat length polymorphism in the promoter of this gene has been shown to affect the rate of serotonin uptake and may play a role in sudden infant death syndrome, aggressive behavior in Alzheimer disease patients, and depression-susceptibility in people experiencing emotional trauma. |
| Product Categories/Family for anti-SLC6A4 antibody   | Cancer; Metabolism; Neuroscience; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4507043                                                                                                                |
| NCBI GeneID                      | 6532                                                                                                                   |
| NCBI Accession #                 | NP_001036.1                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_001045.6                                                                                                            |
| UniProt Accession #              | P31645; Q5EE02                                                                                                         |
| NCBI Official Full Name          | sodium-dependent serotonin transporter                                                                                 |
| NCBI Official Synonym Full Names | solute carrier family 6 member 4                                                                                       |
| NCBI Official Symbol             | SLC6A4                                                                                                                 |
| NCBI Official Synonym Symbols    | HTT; 5HTT; OCD1; SERT; 5-HTT; SERT1; hSERT; 5-HTTLPR                                                                   |
| NCBI Protein Information         | sodium-dependent serotonin transporter                                                                                 |
| UniProt Protein Name             | Sodium-dependent serotonin transporter                                                                                 |
| UniProt Gene Name                | SLC6A4                                                                                                                 |
| UniProt Synonym Gene Names       | HTT; SERT; SERTBy similarityManual assertion inferred from sequence similarity<br>toUniProtKB:P31652 (SC6A4_RAT); 5HTT |

**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.