

## Mouse anti-Human GRIA3 Antibody | anti-GRIA3 antibody

GRIA3 Antibody

|                               |                      |                            |                                                                  |
|-------------------------------|----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA108552</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------|----------------------------|------------------------------------------------------------------|

### PRODUCT SYNONYMS

GRIA3; GRIA3 Antibody; GLUR3; GLURC; GluA3; MRX94; GLUR-C; GLUR-K3; anti-GRIA3 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------|
| Host                                            | Mouse                                                              |
| Reactivity                                      | Human                                                              |
| Isotype                                         | IgG1                                                               |
| Clone Number                                    | 1D2                                                                |
| Form/Format                                     | Ascitic fluid containing 0.03% sodium azide.                       |
| Sequence Length                                 | 894                                                                |
| Applicable Applications for anti-GRIA3 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)               |
| Immunogen                                       | Purified recombinant fragment of human GRIA3 expressed in E. Coli. |
| Preparation and Storage                         | Store at 4 degree C, for long term storage, store at -20 degree C. |

### IMAGES

Application Data

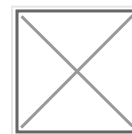
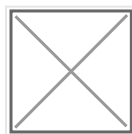

**IHC (Immunohistochemistry)**

Figure 2: Immunohistochemical analysis of paraffin-embedded human brain tissues (left) and rat brain tissues (right) using GRIA3 mouse mAb with DAB staining.

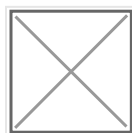

**WB (Western Blot)**

Figure 1: Western blot analysis using GRIA3 mAb against HEK293 (1) and GRIA3-hlgGfc transfected HEK293 (2) cell lysate.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-GRIA3 antibody

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA; R->G). Alternative splicing at this locus results in different isoforms, which may vary in their signal transduction properties.

|                                                   |                                                                                                                                                                                                                   |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-GRIA3 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 163659858                                                      |
| NCBI GeneID                      | 2892                                                           |
| NCBI Accession #                 | NP_000819.3                                                    |
| NCBI GenBank Nucleotide #        | NM_000828.4                                                    |
| UniProt Accession #              | P42263; Q4VXD5; Q4VXD6; Q9HDA0; Q9HDA1; Q9HDA2; Q9P0H1; D3DTF1 |
| Molecular Weight                 | 101kDa                                                         |
| NCBI Official Full Name          | glutamate receptor 3 isoform 2                                 |
| NCBI Official Synonym Full Names | glutamate ionotropic receptor AMPA type subunit 3              |
| NCBI Official Symbol             | GRIA3                                                          |
| NCBI Official Synonym Symbols    | GLUR3; GLURC; GluA3; MRX94; GLUR-C; GLUR-K3                    |
| NCBI Protein Information         | glutamate receptor 3                                           |
| UniProt Protein Name             | Glutamate receptor 3                                           |
| UniProt Gene Name                | <b>GRIA3</b>                                                   |
| UniProt Synonym Gene Names       | GLUR3; GLURC; GluR-3; GluA3                                    |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/gria3/108552>