

## anti-Human, Mouse GluR4 Antibody | anti-GluR4 antibody

GluR4 (Phospho-Ser862) Antibody

|                               |                                   |                                                                  |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA267543</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------------------|------------------------------------------------------------------|

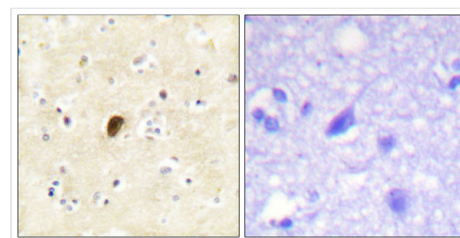
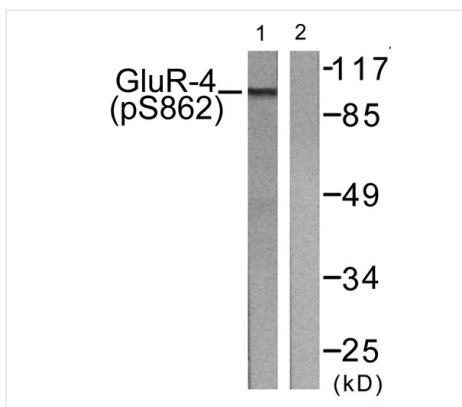
### PRODUCT SYNONYMS

GluR4; GluR4 (Phospho-Ser862) Antibody; GLR4; GLUR4; GRIA4; GluR-4; GluR-D; Glutamate receptor 4 precursor; Glutamate receptor ionotropic; AMPA 4; anti-GluR4 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                      | Human, Mouse                                                                                                                                                                                                                                        |
| Specificity                                     | GluR4 (Phospho-Ser862) antibody detects endogenous levels of GluR4 only when phosphorylated at serine 862.                                                                                                                                          |
| Purity/Purification                             | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                     | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                 | 902                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-GluR4 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                       | The antiserum was produced against synthesized phosphopeptide derived from human GluR4 around the phosphorylation site of serine 862 (R-L-SP-I-T).                                                                                                  |
| All Sites                                       | Human: Ser862<br>Mouse: Ser862                                                                                                                                                                                                                      |
| Preparation and Storage                         | Store at -20 degree C for 1 year.                                                                                                                                                                                                                   |

### IMAGES



Application Data  
P-peptide-+

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using GluR4 (Phospho-Ser862) antibody. Western blot analysis of extracts from HepG2 cells, treated with Forskolin (40nM, 30mins), using GluR4 (Phospho-Ser862) antibody.

ADDITIONAL INFORMATION

|            |                                                                                                                                                        |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Maxim Mokin, J Neurophysiol, Jan 2006; 95: 215-224. Alejandro Caicedo, Chem Senses, Jul 2004; 29: 463-471. LJ Martin, J. Neurosci., Feb 1993; 13: 782. |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 164419734                                         |
| NCBI GeneID                      | 2893                                              |
| NCBI Accession #                 | NP_000820.3                                       |
| NCBI GenBank Nucleotide #        | NM_000829.3                                       |
| UniProt Accession #              | P48058; Q86XE8                                    |
| Molecular Weight                 | 49,146 Da                                         |
| NCBI Official Full Name          | glutamate receptor 4 isoform 1                    |
| NCBI Official Synonym Full Names | glutamate ionotropic receptor AMPA type subunit 4 |
| NCBI Official Symbol             | GRIA4                                             |
| NCBI Official Synonym Symbols    | GLUR4; GLURD; GluA4; GLUR4C; NEDSGA               |
| NCBI Protein Information         | glutamate receptor 4                              |
| UniProt Protein Name             | Glutamate receptor 4                              |
| UniProt Gene Name                | GRIA4                                             |
| UniProt Synonym Gene Names       | GLUR4; GluR-4; GluR4; GluA4                       |

**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.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-antibody/glur4/267543>