

## Goat Glutamate Dehydrogenase Polyclonal Antibody | anti-GLUD1 antibody

Goat anti-Glutamate Dehydrogenase Antibody

| CATALOG # | HOST | REACTIVITY                                                                                | APPLICATIONS                                                  |
|-----------|------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| AAA61480  | Goat | Tested: Human, Mouse, Rat; Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow | Immunohistochemistry, Immunofluorescence, Western Blot, ELISA |

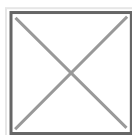
### PRODUCT SYNONYMS

Glutamate Dehydrogenase; Polyclonal Antibody; Goat anti-Glutamate Dehydrogenase Antibody; GLUD1; glutamate dehydrogenase 1; GDH; GDH1; GLUD; MGC132003; glutamate dehydrogenase (NAD(P)+); GLUD2; glutamate dehydrogenase 2; GDH2; GLUDP1; glutamate dehydrogenase pseudogene 1; GDH antibody; GDH1 antibody; GLUD antibody; glutamate dehydrogenase 1 antibody; MGC132003 antibody; GLUD1 antibody; anti-GLUD1 antibody

### PRODUCT SPECIFICATIONS

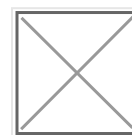
|                                                 |                                                                                                                                       |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Goat                                                                                                                                  |
| Reactivity                                      | Tested: Human, Mouse, Rat; Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow                                             |
| Clonality                                       | Polyclonal                                                                                                                            |
| Purity/Purification                             | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Form/Format                                     | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.                                       |
| Concentration                                   | 100ug specific antibody in 200ul (varies by lot)                                                                                      |
| Sequence                                        | ESEEQKRRNV RGILR                                                                                                                      |
| Sequence Length                                 | 558                                                                                                                                   |
| Applicable Applications for anti-GLUD1 antibody | IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot), ELISA (Peptide ELISA)                                         |
| Immunogen                                       | Peptide with sequence C-ESEEQKRRNVRGILR, from the internal region of the protein sequence according to NP_005262.1; NP_036216.2.      |
| Epitope                                         | Internal region                                                                                                                       |
| Note                                            | This antibody is expected to recognize both reported isoforms (NP_005262.1; NP_036216.2).                                             |
| Preparation and Storage                         | Aliquot and store at -20 degree C. Minimize freezing and thawing.                                                                     |

### IMAGES



#### IHC (Immunohistochemistry)

3.8ug/ml staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



#### WB (Western Blot)

0.01ug/ml staining of Human (A), Mouse (B) and Rat (C) Liver lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



**WB (Western Blot)**

0. 03ug/ml) staining of Human (A) and Mouse (B) Brain lysate (35ug protein in RIPA buffer).  
Primary incubation was 1 hour. Detected by chemiluminescence.

**NCBI AND UNIPROT INFORMATION**

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 4885281                                            |
| NCBI GeneID                      | 2746                                               |
| NCBI Accession #                 | NP_005262.1; NP_036216.2                           |
| NCBI GenBank Nucleotide #        | NM_005271.4                                        |
| Molecular Weight                 | 46,575 Da                                          |
| NCBI Official Full Name          | glutamate dehydrogenase 1, mitochondrial isoform a |
| NCBI Official Synonym Full Names | glutamate dehydrogenase 1                          |
| NCBI Official Symbol             | GLUD1                                              |
| NCBI Official Synonym Symbols    | GDH; GDH1; GLUD                                    |
| NCBI Protein Information         | glutamate dehydrogenase 1, mitochondrial           |
| UniProt Protein Name             | Glutamate dehydrogenase 1, mitochondrial           |
| UniProt Gene Name                | <b>GLUD1</b>                                       |
| UniProt Synonym Gene Names       | GLUD; GDH 1                                        |
| UniProt Entry Name               | DHE3_HUMAN                                         |

**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/polyclonal/glutamate-dehydrogenase-antibody-immunohistochemistry-immunofluorescence-western-blot-peptide-elisa-elisa/61480>