

Product datasheet for **TA396949S**

GLUD1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	WB: 1:500 - 1:5,000 ELISA: 1:5,000 - 1:20,000
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Glutamate Dehydrogenase [Bovine Liver]
Specificity:	Anti-Glutamate Dehydrogenase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified Glutamate Dehydrogenase [Bovine Liver]. Cross reactivity against Glutamate Dehydrogenase from other tissues and species may occur but have not been specifically determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	1 mg/ml - lot specific
Conjugation:	Unconjugated
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	P00366



[View online »](#)

- Background:** Glutamate Dehydrogenase, mitochondrial, converts L-glutamate into alpha-ketoglutarate. It plays a key role in glutamine anaplerosis by producing alpha-ketoglutarate, which is an important intermediate in the tricarboxylic acid cycle. It may be involved in learning and memory reactions by increasing the turnover of the excitatory neurotransmitter glutamate. It is subject to allosteric regulation. It is activated by ADP, inhibited by GTP and ATP, and ADP can occupy the NADH binding site and activate the enzyme.
- Synonyms:** rabbit anti-Glutamate Dehydrogenase Antibody, Glutamate dehydrogenase 1 mitochondrial, GDH 1
- Note:** Glutamate Dehydrogenase antibody has been tested by ELISA and western blot and is assayed against 1.0 ug of Glutamate Dehydrogenase [Bovine Liver] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:5,000 to 1:20,000 is suggested for this product.