

## Product datasheet for **AP20095AF-N**

### GLUD1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IP, R, WB
Recommended Dilution:	This product is intended for use in precipitating and non-precipitating antibody-binding assays such as e.g., ELISA and Western blotting and Immunofluorescence or Histochemical techniques (1/1,000-1/3,000).
Reactivity:	Bovine
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Glutamate Dehydrogenase (Bovine Liver).
Specificity:	The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and Enzyme Inhibition. Cross-reactivities against enzymes of other sources may occur but have not been determined.
Formulation:	PBS, pH 7.2 without preservatives and foreign proteins State: Azide Free State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore by adding 1.0 ml of sterile distilled water.
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation and Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. If a slight precipitation occurs upon storage, this should be removed by centrifugation. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Database Link:** [Entrez Gene 281785 Bovine P00366](#)

**Background:** Glutamate dehydrogenase has a central role in nitrogen metabolism in plants and animals. Glutamate dehydrogenase is found in all organisms and catalyzes the oxidative deamination of 1-glutamate to 2-oxoglutarate. Glutamate, the main substrate of Glutamate dehydrogenase, is present in brain in concentrations higher than in other organs. In nervous tissue, Glutamate dehydrogenase appears to function in both the synthesis and the catabolism of glutamate and perhaps in ammonia detoxification.

**Synonyms:** GLUD1, GLUD, GDH1