

GLUD1 Antibody
Rabbit mAb
Catalog # AP92430**Specification**

GLUD1 Antibody - Product Information

Application	WB, IHC, FC, ICC
Primary Accession	P00367
Reactivity	Rat
Clonality	Monoclonal

Other Names

GDH; Gdh-X; GDH1; GLUD; Glud1; Glud1a; Glud1b; Gludl; MRG-2;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	61398 Da

GLUD1 Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human GLUD1
Description	May be involved in learning and memory reactions by increasing the turnover of the excitatory neurotransmitter glutamate.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

GLUD1 Antibody - Protein Information**Name** GLUD1**Synonyms** GLUD**Function**

Mitochondrial glutamate dehydrogenase that catalyzes the conversion of L-glutamate into alpha-ketoglutarate. Plays a key role in glutamine anaplerosis by producing alpha-ketoglutarate, an important intermediate in the tricarboxylic acid cycle (PubMed:11032875, PubMed:11254391, PubMed:16023112, PubMed:16959573). Plays a role

in insulin homeostasis (PubMed:11297618, PubMed:9571255). May be involved in learning and memory reactions by increasing the turnover of the excitatory neurotransmitter glutamate (By similarity).

Cellular Location

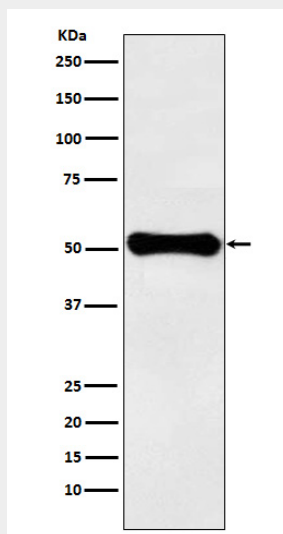
Mitochondrion. Endoplasmic reticulum. Note=Mostly translocates into the mitochondria, only a small amount of the protein localizes to the endoplasmic reticulum.

GLUD1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GLUD1 Antibody - Images



Western blot analysis of GLUD1 expression in HepG2 cell lysate.