

GLUD2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20104a**Specification**

GLUD2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P49448
Other Accession	NP_036216.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	61434
Antigen Region	75-103

GLUD2 Antibody (N-term) - Additional Information**Gene ID** 2747**Other Names**

Glutamate dehydrogenase 2, mitochondrial, GDH 2, GLUD2, GLUDP1

Target/Specificity

This GLUD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 75-103 amino acids from the N-terminal region of human GLUD2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GLUD2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GLUD2 Antibody (N-term) - Protein Information**Name** GLUD2**Synonyms** GLUDP1

Function Important for recycling the chief excitatory neurotransmitter, glutamate, during neurotransmission.

Cellular Location
Mitochondrion matrix

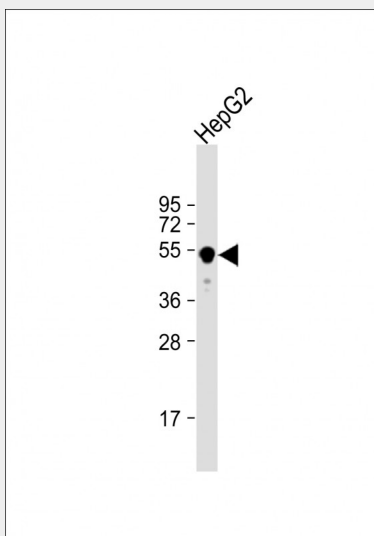
Tissue Location
Expressed in retina, testis and, at a lower level, brain

GLUD2 Antibody (N-term) - 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](#)

GLUD2 Antibody (N-term) - Images



Anti-GLUD2 Antibody (N-term) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 61 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

GLUD2 Antibody (N-term) - Background

The protein encoded by this gene is localized to the mitochondrion and acts as a homohexamer to recycle glutamate during neurotransmission. The encoded enzyme catalyzes the reversible oxidative deamination of glutamate to alpha-ketoglutarate. This gene is intronless.

GLUD2 Antibody (N-term) - References

Spanaki, C., et al. J. Biol. Chem. 285(22):16748-16756(2010)
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Zaganas, I., et al. Neurochem. Int. 55 (1-3), 52-63 (2009) :
Mastorodemos, V., et al. Biochem. Cell Biol. 87(3):505-516(2009)
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