

Rabbit GLUD1 Polyclonal Antibody | anti-GLUD1 antibody

GLUD1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA291010	Rabbit	Human, Mouse Predicted Reactivity: Zebrafish, Bovine, Chicken, Pig, Rat	Immunohistochemistry, Western Blot

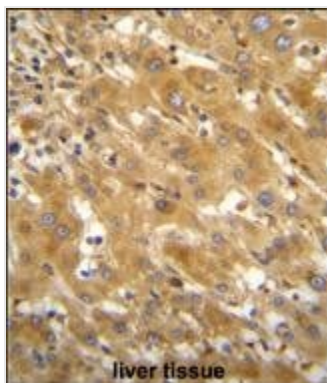
PRODUCT SYNONYMS

GLUD1; Polyclonal Antibody; GLUD1 Antibody (C-term); Glutamate dehydrogenase 1; mitochondrial; GDH 1; GLUD; anti-GLUD1 antibody

PRODUCT SPECIFICATIONS

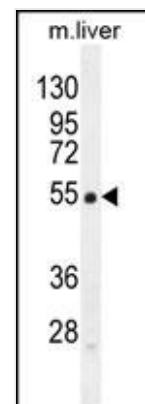
Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Zebrafish, Bovine, Chicken, Pig, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This GLUD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 438-465 amino acids from the C-terminal region of human GLUD1.
Purity/Purification	Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Applicable Applications for anti-GLUD1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antigen Region	438-465
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



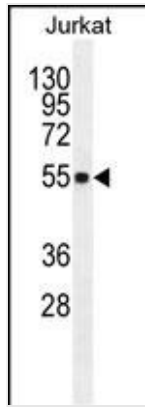
IHC (Immunohistochemistry)

Dilution: IHC-P: 1:50-100



WB (Western Blot)

Dilution: WB 1:1000GLUD1 Antibody (C-term) (Cat. #AAA291010) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the GLUD1 antibody detected the GLUD1 protein (arrow).



WB (Western Blot)

Dilution: WB 1:1000GLUD1 Antibody (C-term) (Cat. #AAA291010) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the GLUD1 antibody detected the GLUD1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GLUD1 antibody	This gene encodes glutamate dehydrogenase protein; amitochondrial matrix enzyme that catalyzes the oxidativedeamination of glutamate to alpha-ketoglutarate and ammonia. Thisenzyme has an important role in regulating amino acid inducedinsulin secretion and activating mutations in this gene are acommon cause of congenital hyperinsulinism. This enzyme isallosterically activated by ADP and inhibited by GTP and ATP. Therelated glutamate dehydrogenase 2 gene on the human X-chromosomeoriginated from this gene via retrotransposition and encodes asoluble form of glutamate dehydrogenase. Multiple pseudogenes ofthis gene are present in humans.
Product Categories/Family for anti-GLUD1 antibody	Primary Antibodies; Cell Biology; Metabolism; Signal Transduction
References	Martins-de-Souza, D., et al. J Psychiatr Res 44 (14):989-991 (2010)Jia, P., et al. Schizophr. Res. 122 (1-3), 38-42 (2010); Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34 (5):800-812 (2010)Flanagan, S.E., et al. Eur. J. Endocrinol. 162 (5):987-992 (2010)Bao, X., et al. J. Neurosci. 29 (44):13929-13944 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885281
NCBI GeneID	2746
NCBI Accession #	NP_005262.1
NCBI GenBank Nucleotide #	NM_005271.3
UniProt Accession #	P00367; P49448; P10860; P26443; P00368; P00366; NP_005262.1; Q6P3L9; P42174
Molecular Weight	46,575 Da
NCBI Official Full Name	glutamate dehydrogenase 1, mitochondrial
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; GDH 1; glutamate dehydrogenase (NAD(P)+)
UniProt Protein Name	Glutamate dehydrogenase 1, mitochondrial
UniProt Gene Name	GLUD1
UniProt Synonym Gene Names	GLUD; GDH 1

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

Online datasheet: <https://www.aaabiotech.com/polyclonal/glud1-antibody-immunohistochemistry-western-blot-elisa/291010>